FIG. 1

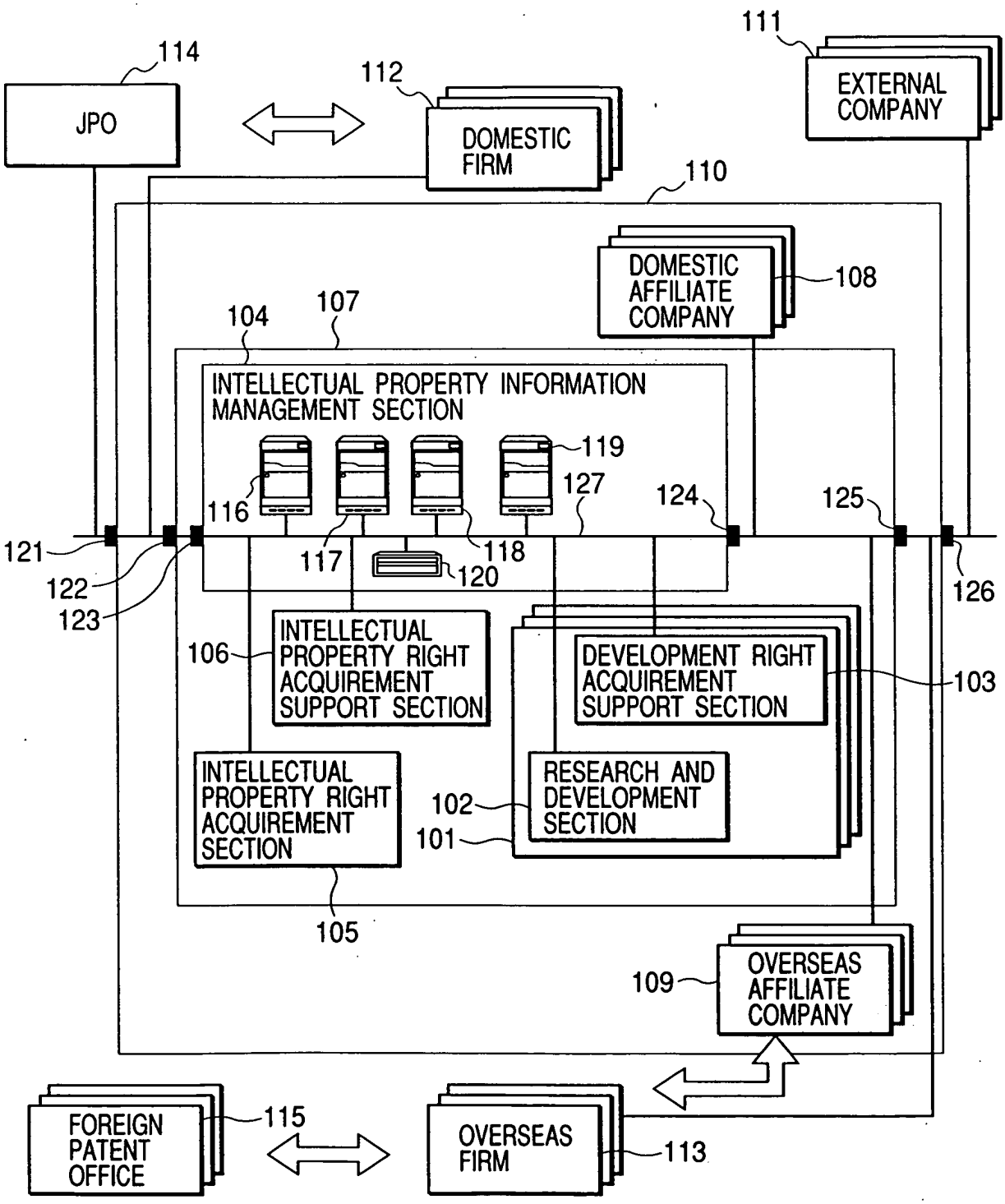

111
EXTERNAL COMPANY
114
JPO
112
DOMESTIC FIRM
110
DOMESTIC AFFILIATE COMPANY
108
104
107
INTELLECTUAL PROPERTY INFORMATION MANAGEMENT SECTION
119
116
127
124
125
121
117
118
120
122
123
126
INTELLECTUAL PROPERTY RIGHT ACQUIREMENT SUPPORT SECTION
106
DEVELOPMENT RIGHT ACQUIREMENT SUPPORT SECTION
103
INTELLECTUAL PROPERTY RIGHT ACQUIREMENT SECTION
RESEARCH AND DEVELOPMENT SECTION
102
101
105
OVERSEAS AFFILIATE COMPANY
109
FOREIGN PATENT OFFICE
115
OVERSEAS FIRM
113

FIG. 2

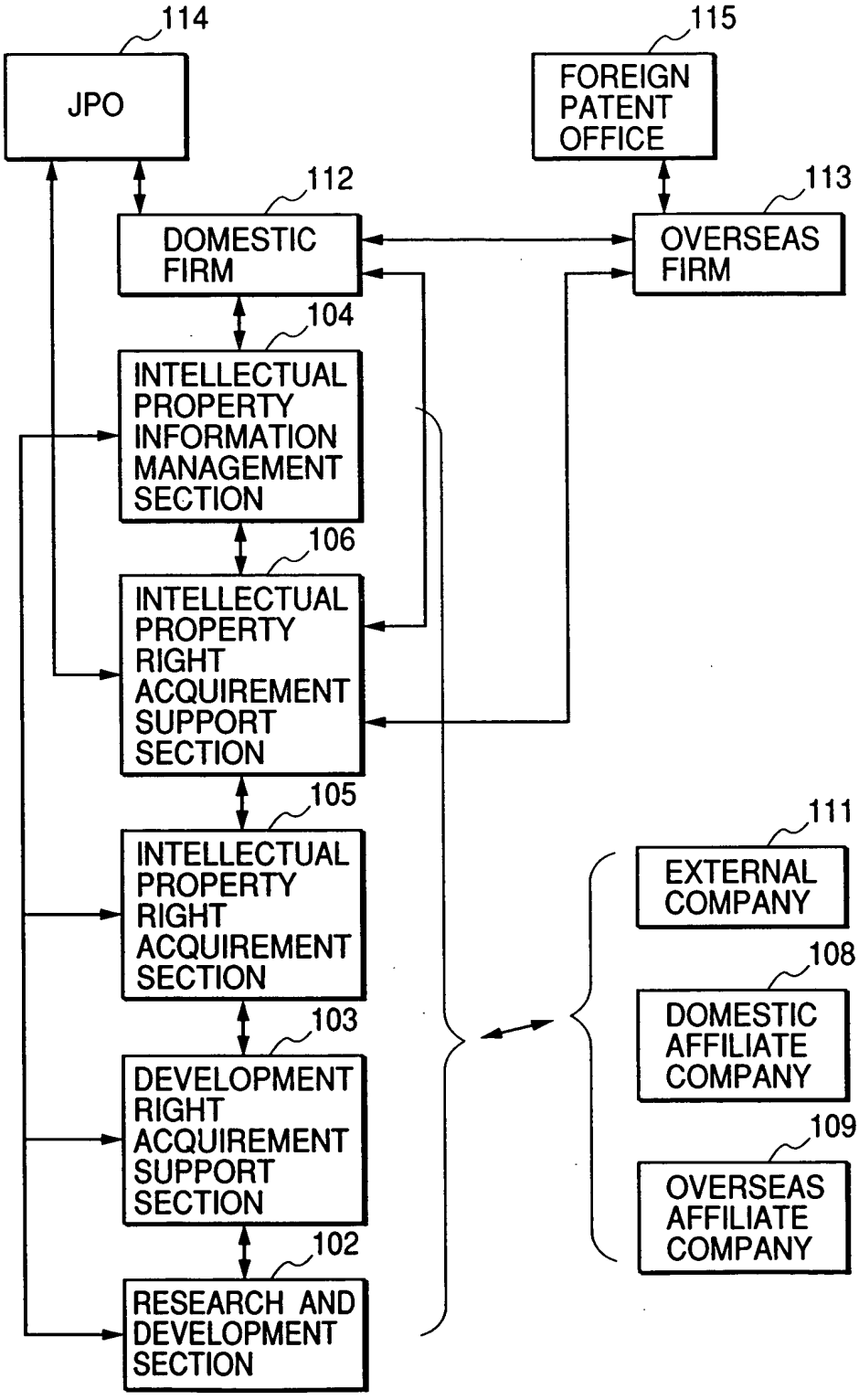

114
JPO
115
FOREIGN PATENT OFFICE
112
DOMESTIC FIRM
113
OVERSEAS FIRM
104
INTELLECTUAL PROPERTY INFORMATION MANAGEMENT SECTION
106
INTELLECTUAL PROPERTY RIGHT ACQUIREMENT SUPPORT SECTION
105
INTELLECTUAL PROPERTY RIGHT ACQUIREMENT SECTION
103
DEVELOPMENT RIGHT ACQUIREMENT SUPPORT SECTION
102
RESEARCH AND DEVELOPMENT SECTION
111
EXTERNAL COMPANY
108
DOMESTIC AFFILIATE COMPANY
109
OVERSEAS AFFILIATE COMPANY

FIG. 3

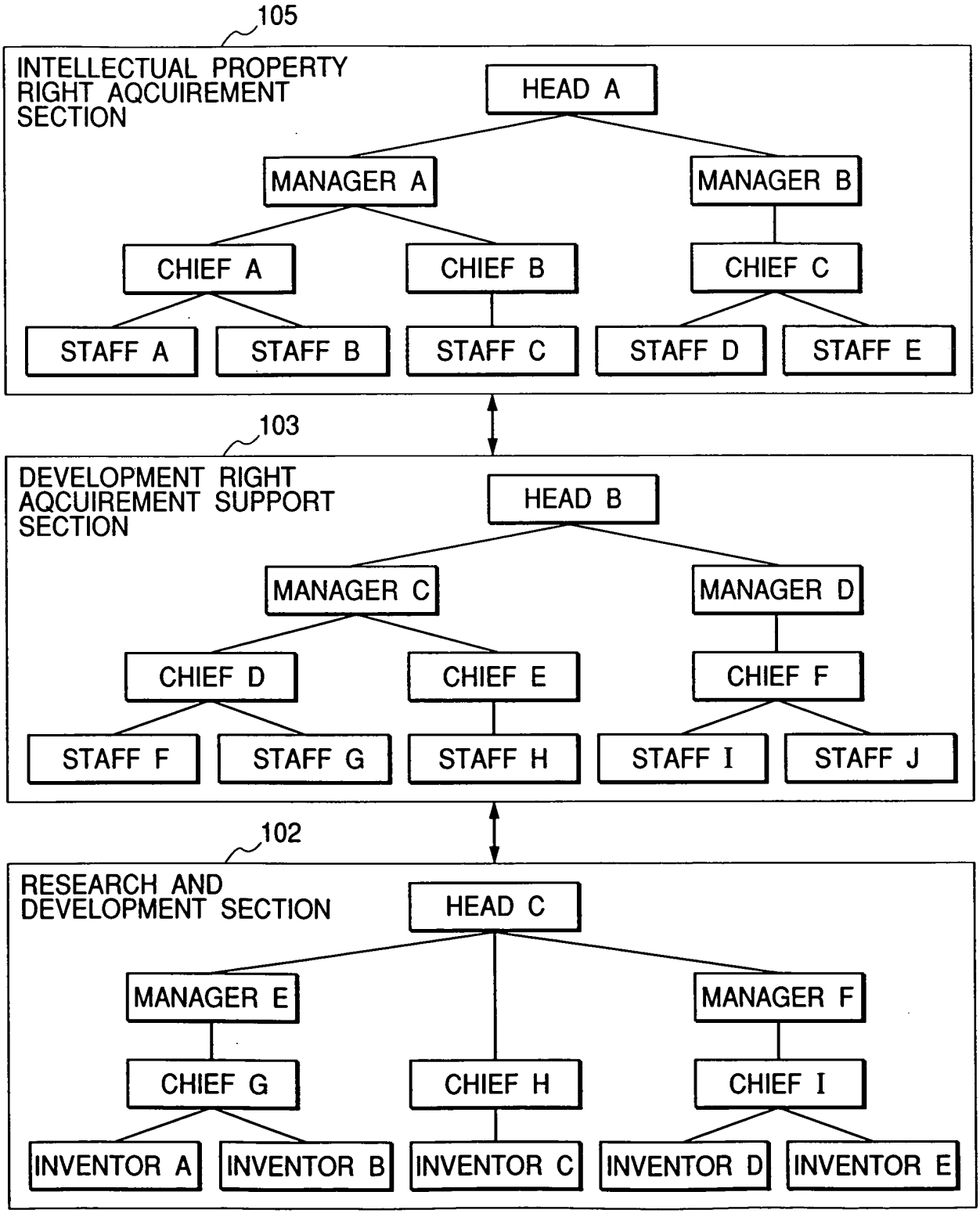

105
INTELLECTUAL PROPERTY RIGHT AQCUIREMENT SECTION
HEAD A
MANAGER A
MANAGER B
CHIEF A
CHIEF B
CHIEF C
STAFF A
STAFF B
STAFF C
STAFF D
STAFF E
103
DEVELOPMENT RIGHT AQCUIREMENT SUPPORT SECTION
HEAD B
MANAGER C
MANAGER D
CHIEF D
CHIEF E
CHIEF F
STAFF F
STAFF G
STAFF H
STAFF I
STAFF J
102
RESEARCH AND DEVELOPMENT SECTION
HEAD C
MANAGER E
MANAGER F
CHIEF G
CHIEF H
CHIEF I
INVENTOR A
INVENTOR B
INVENTOR C
INVENTOR D
INVENTOR E

FIG. 4

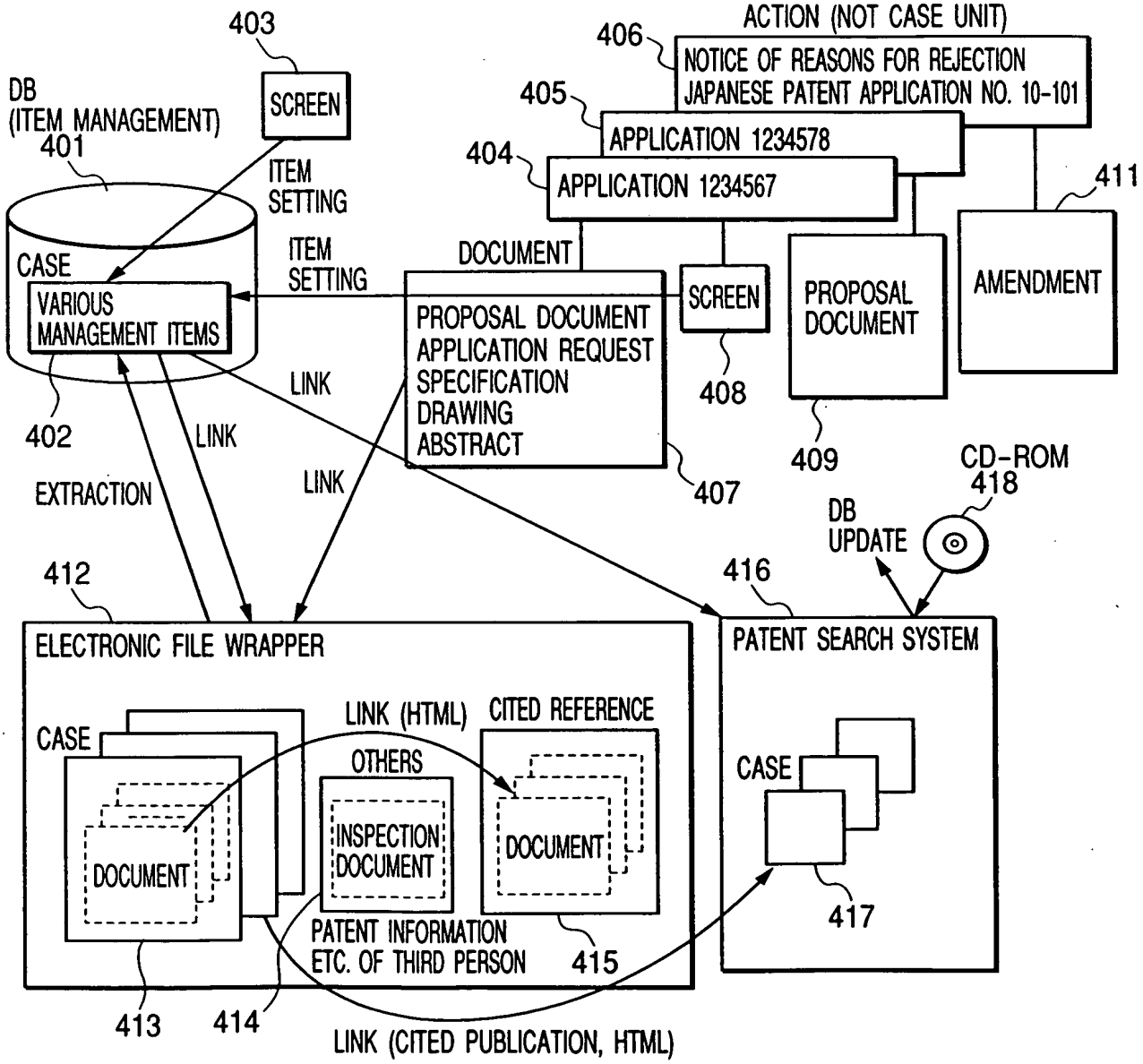

403
SCREEN
DB
(ITEM MANAGEMENT)
401
ITEM
SETTING
CASE
VARIOUS
MANAGEMENT ITEMS
402
ITEM
SETTING
LINK
LINK
LINK
EXTRACTION
ACTION (NOT CASE UNIT)
406
NOTICE OF REASONS FOR REJECTION
JAPANESE PATENT APPLICATION NO. 10-101
405
APPLICATION 1234578
404
APPLICATION 1234567
411
DOCUMENT
PROPOSAL DOCUMENT
APPLICATION REQUEST
SPECIFICATION
DRAWING
ABSTRACT
407
SCREEN
408
PROPOSAL
DOCUMENT
409
AMENDMENT
CD-ROM
418
DB
UPDATE
412
416
ELECTRONIC FILE WRAPPER
CASE
DOCUMENT
LINK (HTML)
CITED REFERENCE
OTHERS
INSPECTION
DOCUMENT
DOCUMENT
PATENT INFORMATION
ETC. OF THIRD PERSON
415
413
414
LINK (CITED PUBLICATION, HTML)
PATENT SEARCH SYSTEM
CASE
417

FIG. 5

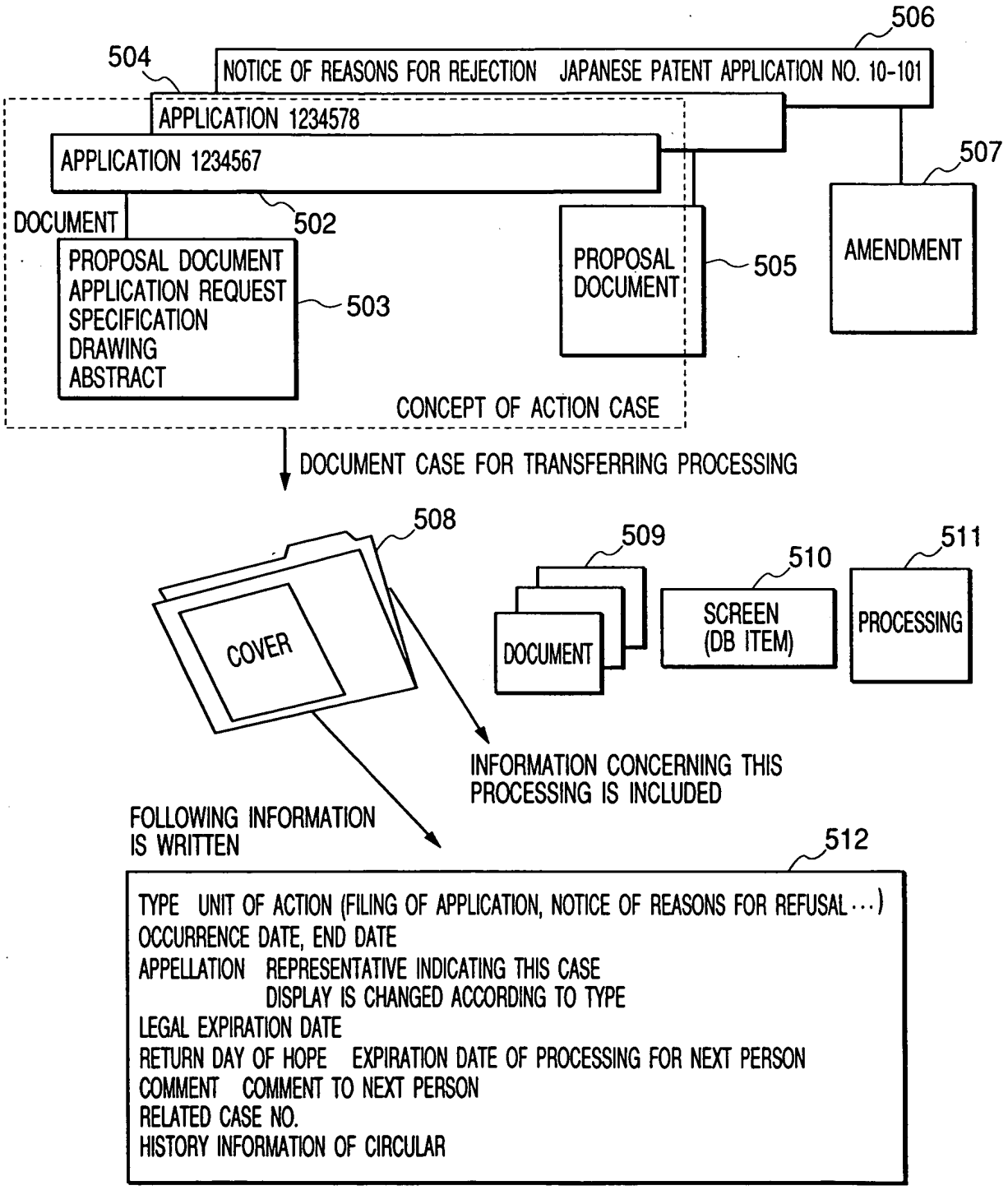

506
504
NOTICE OF REASONS FOR REJECTION JAPANESE PATENT APPLICATION NO. 10-101
APPLICATION 1234578
APPLICATION 1234567
507
DOCUMENT
502
PROPOSAL DOCUMENT
APPLICATION REQUEST
SPECIFICATION
DRAWING
ABSTRACT
503
PROPOSAL DOCUMENT
505
AMENDMENT
CONCEPT OF ACTION CASE
DOCUMENT CASE FOR TRANSFERRING PROCESSING
508
509
510
511
COVER
DOCUMENT
SCREEN (DB ITEM)
PROCESSING
INFORMATION CONCERNING THIS PROCESSING IS INCLUDED
FOLLOWING INFORMATION IS WRITTEN
512
TYPE UNIT OF ACTION (FILING OF APPLICATION, NOTICE OF REASONS FOR REFUSAL···)
OCCURRENCE DATE, END DATE
APPELLATION REPRESENTATIVE INDICATING THIS CASE
DISPLAY IS CHANGED ACCORDING TO TYPE
LEGAL EXPIRATION DATE
RETURN DAY OF HOPE EXPIRATION DATE OF PROCESSING FOR NEXT PERSON
COMMENT COMMENT TO NEXT PERSON
RELATED CASE NO.
HISTORY INFORMATION OF CIRCULAR

FIG. 6 EXAMPLE 1 OF ACTION CASE (APPLICATION FILING CASE)

TIMING OF GENERATING	
AUTOMATIC	• IT IS CREATED IN CASE THAT "FILING" IS INSTRUCTED FROM PROPOSAL CASE INCLUDING DESCRIPTION OF INVENTION BY INVENTOR. PROPOSAL NO. FOR DESCRIMINATION OF PROPOSAL DOCUMENT IS SUCCEEDED.
INSTRUCTION	POSSIBLE (POSSIBLE FROM DIRECT OR REJECTION REASON RESPONSE CASE)
PROCESSING AT TIME OF GENERATING	• IN CASE OF PROPOSAL NO. IS NOT GIVEN AT TIME OF GENERATING (MANUAL GENERATION), TEMPORARY PROPOSAL NO. IS GIVEN FOR CONVENIENCE. • IN CASE OF AUTOMATIC GENERATING, DESCRIPTION OF INVENTION IS TAKEN IN AS RELATED DOCUMENT FROM "PROPOSAL CASE". • IN CASE OF GENERATING BY INSTRUCTION FROM "REJECTION REASON RESPONSE CASE", RETROACTIVE PARENT APPLICATION NO. IS PUT INTO INFORMATION OF ORIGINAL APPLICATION NO. (PROCESSING OF REJECTION REASON RESPONSE CASE SIDE). LEGAL EXPIRATION DATE IS AUTOMATICALLY CALCULATED.
DISPOSAL (ONLY INTELLECTUAL PROPERTY RIGHT ACQUIREMENT SECTION IS POSSIBLE)	• SUSPENSION OF FILING ··· SUSPENSION BY A CERTAIN REASON IS POSSIBLE. IN THIS CASE, IT IS AUTOMATICALLY MADE FILING SUSPENSION TREATMENT. • FILING (DEFAULT)
TIMING OF EXTINGUISHMENT	
AUTOMATIC	IT IS COMPLETED WHEN FILE OF RESULT FILED APPLICATION TO PATENT OFFICE IS FORMALLY REGISTERED IN SYSTEM.
INSTRUCTION	WHEN DISPOSAL OF SUSPENSION OF FILING IS MADE.
PROCESSING AT TIME OF EXTINGUISHMENT	• WHEN FILING OF REQUEST FOR EXAMINATION SIMULTANEOUS WITH FILING OF APPLICATION IS DESIGNATED. IF FILING IS MADE BY OUR COMPANY (INTERNAL ATTORNEY), ACTION CASE OF REQUEST FOR EXAMINATION OF CORRESPONDING CASE IS GENERATED BY INTELLECTUAL PROPERTY RIGHT ACQUIREMENT SUPPORT SECTION POSSESSION. IF FILING IS MADE BY EXTERNAL ATTORNEY, IN CASE OF FILE OF RESULT FILED REQUEST FOR EXAMINATION IS NOT TOGETHER WITH FILE OF RESULT FILED APPLICATION, IT IS MADE ERROR. IN CASE THAT FILE OF RESULT FILED REQUEST FOR EXAMINATION IS PUT TOGETHER, MANAGEMENT INFORMATION ON MANAGEMENT DB IS UPDATED AS "COMPLETION OF APPLICATION FILING" AND "COMPLETION OF REQUEST FOR EXAMINATION" CONCERNING CORRESPONDING CASE. • WHEN FILING OF REQUEST FOR EXAMINATION SIMULTANEOUS WITH FILING OF APPLICATION IS NOT DESIGNATED. ONLY IN CASE OF DIVISIONAL APPLICATION, ACTION CASE OF REQUEST FOR EXAMINATION IS GENERATED BY INTELLECTUAL PROPERTY RIGHT ACQUIREMENT SECTION POSSESSION.
DOCUMENTS LIST	
RELATED DOCUMENTS	INVENTION DESCRIPTION
NORMAL DOCUMENTS	WRITTEN REQUEST (INTERNAL, FIRM)
SUBMISSION DOCUMENTS TO PATENT OFFICE	APPLICATION REQUEST
	SPECIFICATION
	DRAWING
	ABSTRACT
NOTE	• CREATION OF COPY CASE IS INADMISSIBLE

FIG. 7

EXAMPLE 2 OF ACTION CASE (REJECTION REASON RESPONSE CASE)

PERSON POSSIBLE TO GENERATE	SYSTEM
TIMING OF GENERATION	
AUTOMATIC	· WHEN NOTICE OF REASONS FOR REJECTION FROM PATENT OFFICE IS RECEIVED AND REGISTERED IN SYSTEM.
INSTRUCTION	· IT IS POSSIBLE TO GENERATE BY INTELLECTUAL PROPERTY RIGHT ACQUIREMENT SUPPORT SECTION AND PATENT FIRM (IN CASE OF PAPER INPUT).
PROCESSING AT TIME OF GENERATING	· LEGAL EXPIRATION DATE IS SET. IF NOTICE OF REASONS FOR REJECTION IS ELECTRONIC DATA, IT IS TAKEN IN AS RELATED DOCUMENT. IF NOTICE IS PAPER, OPERATOR INPUTS IT BY SCANNER.
DISPOSAL (ONLY INTELLECTUAL PROPERTY RIGHT ACQUIREMENT SECTION IS POSSIBLE)	· RESPONSE (DEFAULT) ··· SUBMISSION OF ARGUMENT AND AMENDMENT, ABANDONMENT, AND WITHDRAWAL ARE INCLUDED IN THIS. · NO-RESPONSE ··· THIS INFORMATION IS NOT DISPLAYED ON SCREEN OF PERSON IN CHARGE. THIS INFORMATION IS RE-DISPLAYED FOR CHECK ** DAYS (USER CAN SET **) BEFORE LEGAL EXPIRATION DATE. · DECISION OF NO-RESPONSE ··· THIS CAN BE DESIGNATED ONLY AT TIME OF THE RE-DISPLAY. IT IS COMPLETED (OR EXTINGUISHED) BY THIS PROCESSING.
TIMING OF EXTINGUISHMENT	
AUTOMATIC	IT IS COMPLETED WHEN FILE OF RESULT RESPONDED TO PATENT OFFICE IS FORMALLY REGISTERED IN SYSTEM.
INSTRUCTION	WHEN DISPOSAL OF DECISION OF NO-RESPONSE IS MADE.
PROCESSING AT TIME OF EXTINGUISHMENT	· EACH PROCESSING IS EXECUTED ACCORDING TO EACH DOCUMENT OF TIME OF RESPONSE TO PATENT OFFICE. IF THERE ARE NOTIFICATION OF CHANGE OF APPLICATION ETC. OTHER THAN DOCUMENTS SUCH AS WITHDRAWAL AND ABANDONMENT, THESE ARE AISO REFLECTED.
DOCUMENTS LIST	
RELATED DOCUMENTS	NOTICE OF REASONS FOR REJECTION
NORMAL DOCUMENTS	ACTION STUDY WRITTEN REQUEST
	WRITTEN REQUEST (FIRM, INTERNAL)
SUBMISSION DOCUMENTS TO PATENT OFFICE	ONLY DOCUMENTS ACCORDING TO LOW ARE ADMISSIBLE.
NOTE	

FIG. 8

EXAMPLE 3 OF ACTION CASE (FINAL REJECTION DECISION RESPONSE CASE)

PERSON POSSIBLE TO GENERATE	SYSTEM
TIMING OF GENERATION	
AUTOMATIC	• WHEN NOTICE OF DECISION OF FINAL REJECTION IS RECEIVED AND REGISTERED IN SYSTEM. • WHEN FINAL REJECTION DECISION RESPONSE CASE DEMANDING ONLY APPEAL TRIAL IS COMPLETED.
INSTRUCTION	• IT IS POSSIBLE TO GENERATE BY INTELLECTUAL PROPERTY RIGHT ACQUIREMENT SUPPORT SECTION AND PATENT FIRM (IN CASE OF PAPER INPUT).
PROCESSING AT TIME OF GENERATING	• LEGAL EXPIRATION DATE IS SET. IF NOTICE OF REASONS FOR REJECTION IS ELECTRONIC DATA, IT IS TAKEN IN. IF NOTICE IS PAPER, OPERATOR INPUTS IT BY SCANNER. • IN CASE OF GENERATING BASED ON FINAL REJECTION DECISION RESPONSE CASE DEMANDING ONLY APPEAL TRIAL, IT IS GENERATED IN STATE OF "COMPLETION OF APPEAL TRIAL DEMAND". AT THIS TIME, ARGUMENT IS AUTOMATICALLY GENERATED.
DISPOSAL (ONLY INTELLECTUAL PROPERTY RIGHT ACQUIREMENT SECTION IS POSSIBLE)	• RESPONSE (DEFAULT) • NO-RESPONSE ··· THIS INFORMATION IS NOT DISPLAYED ON SCREEN OF PERSON IN CHARGE. THIS INFORMATION IS RE-DISPLAYED FOR CHECK ** DAYS (USER CAN SET **) BEFORE LEGAL EXPIRATION DATE. • DECISION OF NO-RESPONSE ··· THIS CAN BE DESIGNATED ONLY AT TIME OF THE RE-DISPLAY. IT IS COMPLETED (OR EXTINGUISHED) BY THIS PROCESSING.
TIMING OF EXTINGUISHMENT	
AUTOMATIC	IT IS COMPLETED WHEN FILE OF RESULT RESPONDED TO PATENT OFFICE IS FORMALLY REGISTERED IN SYSTEM.
INSTRUCTION	WHEN DISPOSAL OF DECISION OF NO-RESPONSE IS MADE.
PROCESSING AT TIME OF EXTINGUISHMENT	• RESPECTIVE PROCESSING ARE EXECUTED ACCORDING TO RESPECTIVE DOCUMENTS OF TIME OF RESPONSE TO PATENT OFFICE. IN CASE OF RESPONSE PROCESSING OF DEMANDING ONLY APPEAL TRIAL, FINAL REJACTION DECISION RESPONSE ACTION CASE IS GENERATED BY USING SAME FILE NO.
DOCUMENTS LIST	
RELATED DOCUMENTS	NOTIFICATION OF DECISION OF FINAL REJECTION
	NOTICE OF TRIAL (WHEN IT IS GENERATED BASED ON FINAL REJECTION DECISION RESPONSE CASE DEMANDING ONLY APPEAL TRIAL)
NORMAL DOCUMENTS	ACTION STUDY WRITTEN REQUEST
	WRITTEN REQUEST (FIRM, INTERNAL)
SUBMISSION DOCUMENTS TO PATENT OFFICE	ONLY DOCUMENTS ACCORDING TO LOW ARE ADMISSIBLE.
NOTE	

FIG. 9

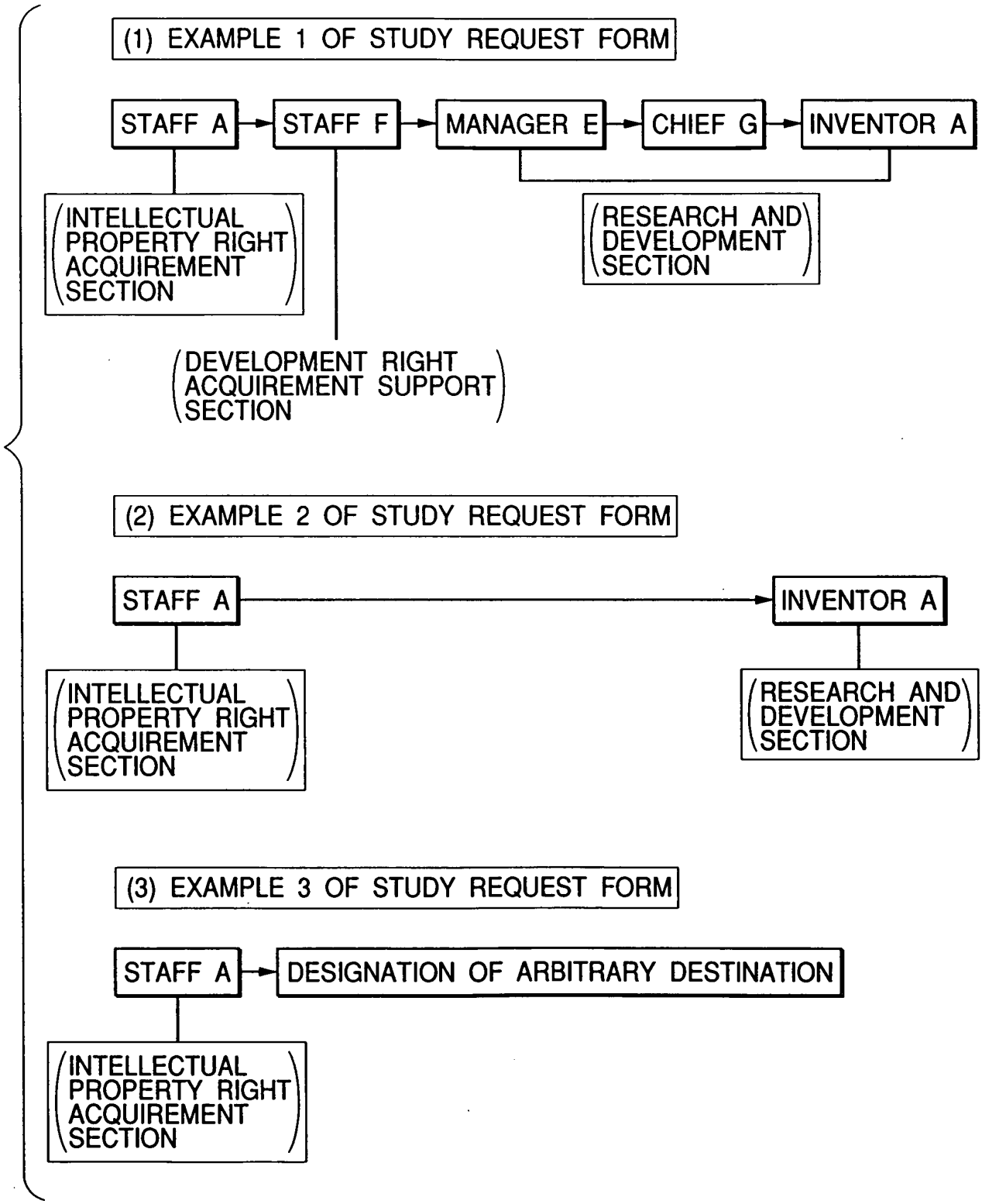

(1) EXAMPLE 1 OF STUDY REQUEST FORM
STAFF A
STAFF F
MANAGER E
CHIEF G
INVENTOR A
INTELLECTUAL PROPERTY RIGHT ACQUIREMENT SECTION
RESEARCH AND DEVELOPMENT SECTION
DEVELOPMENT RIGHT ACQUIREMENT SUPPORT SECTION
(2) EXAMPLE 2 OF STUDY REQUEST FORM
STAFF A
INVENTOR A
INTELLECTUAL PROPERTY RIGHT ACQUIREMENT SECTION
RESEARCH AND DEVELOPMENT SECTION
(3) EXAMPLE 3 OF STUDY REQUEST FORM
STAFF A
DESIGNATION OF ARBITRARY DESTINATION
INTELLECTUAL PROPERTY RIGHT ACQUIREMENT SECTION

FIG. 10

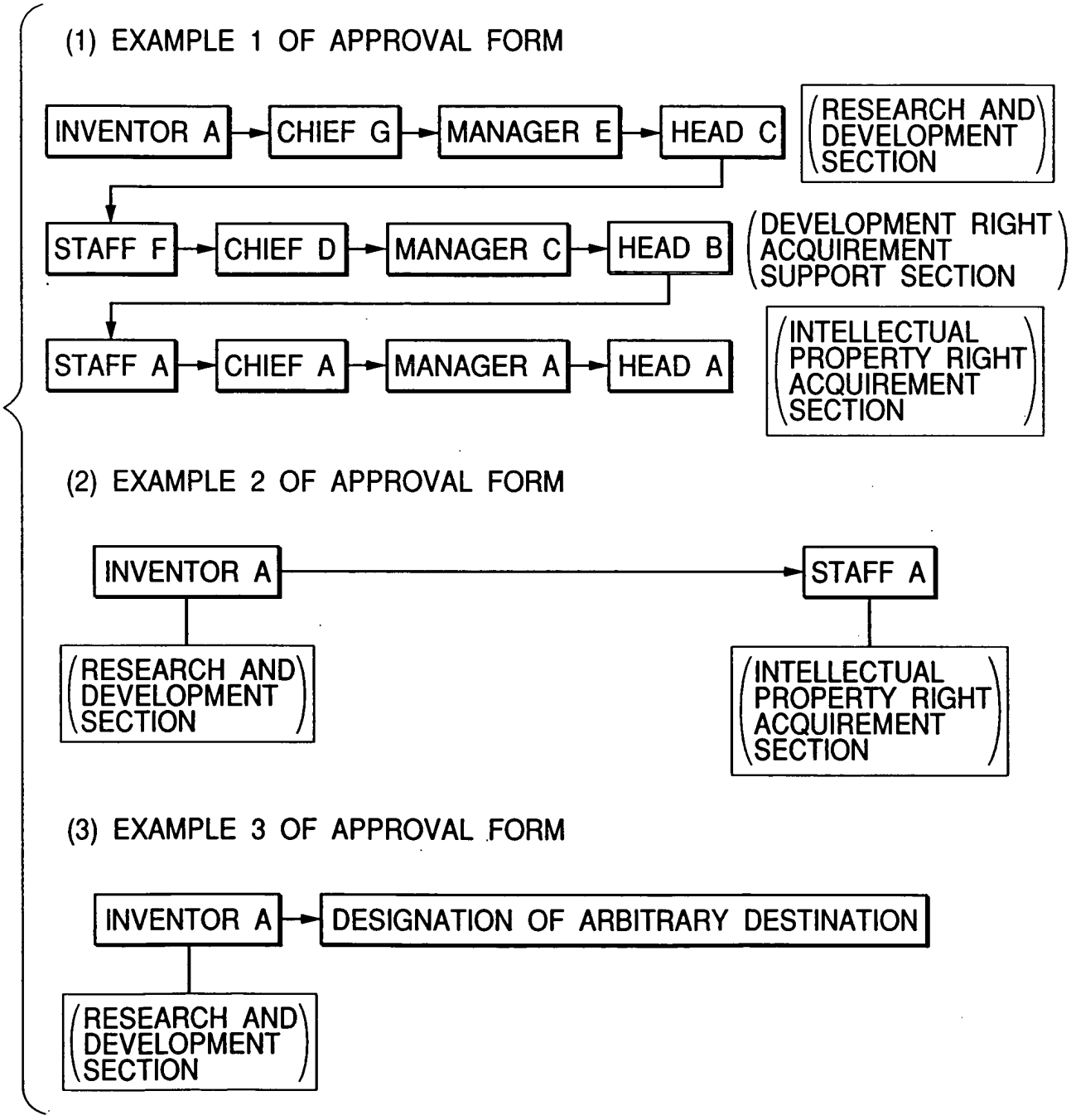

(1) EXAMPLE 1 OF APPROVAL FORM
INVENTOR A
CHIEF G
MANAGER E
HEAD C
RESEARCH AND DEVELOPMENT SECTION
STAFF F
CHIEF D
MANAGER C
HEAD B
DEVELOPMENT RIGHT ACQUIREMENT SUPPORT SECTION
STAFF A
CHIEF A
MANAGER A
HEAD A
INTELLECTUAL PROPERTY RIGHT ACQUIREMENT SECTION
(2) EXAMPLE 2 OF APPROVAL FORM
INVENTOR A
STAFF A
RESEARCH AND DEVELOPMENT SECTION
INTELLECTUAL PROPERTY RIGHT ACQUIREMENT SECTION
(3) EXAMPLE 3 OF APPROVAL FORM
INVENTOR A
DESIGNATION OF ARBITRARY DESTINATION
RESEARCH AND DEVELOPMENT SECTION

FIG. 11

(1) TABLE OF ACTION STUDY PATH PATTERN

ACTION STUDY PATH PATTERN	INTELLECTUAL PROPERTY RIGHT ACQUIREMENT SUPPORT SECTION	INTELLECTUAL PROPERTY RIGHT ACQUIREMENT SECTION	DEVELOPMENT RIGHT ACQUIREMENT SUPPORT SECTION	RESEARCH AND DEVELOPMENT SECTION
A001	SYSTEM AUTOMATIC GENERATION	CHIEF→STAFF	CHIEF→STAFF	CHIEF→STAFF
A002	SYSTEM AUTOMATIC GENERATION	STAFF	NONE	STAFF
A003	SYSTEM AUTOMATIC GENERATION	CHIEF→STAFF	STAFF	CHIEF→STAFF
A004	SYSTEM AUTOMATIC GENERATION	CHIEF→STAFF	CHIEF→STAFF	MANAGER→ CHIEF→STAFF
A005		STAFF MANUAL GENERATION	NONE	STAFF

(2) TABLE OF STUDY APPROVAL PATH PATTERN

ACTION STUDY PATH PATTERN	RESEARCH AND DEVELOPMENT SECTION	DEVELOPMENT RIGHT ACQUIREMENT SUPPORT SECTION	INTELLECTUAL PROPERTY RIGHT ACQUIREMENT SECTION	INTELLECTUAL PROPERTY RIGHT ACQUIREMENT SUPPORT SECTION
B001	STAFF→CHIEF→ MANAGER→HEAD	STAFF→CHIEF→ MANAGER→HEAD	STAFF→CHIEF→ MANAGER→HEAD	SYSTEM AUTOMATIC REGISTRATION
B002	STAFF	NONE	STAFF	SYSTEM AUTOMATIC REGISTRATION
B003	STAFF→CHIEF	STAFF	STAFF→CHIEF	SYSTEM AUTOMATIC REGISTRATION
B004	STAFF→CHIEF→ MANAGER	STAFF→CHIEF	STAFF→CHIEF	SYSTEM AUTOMATIC REGISTRATION
B005	NONE	STAFF	STAFF	SYSTEM AUTOMATIC REGISTRATION

FIG. 12

(3) TABLE OF PATH PATTERN BY SECTION

RESEARCH AND DEVELOPMENT SECTION	ACTION STUDY PATH PATTERN	ACTION STUDY APPROVAL PATH PATTERN
DEVELOPMENT SECTION A	A001	B001
DEVELOPMENT SECTION B	A002	B002
DEVELOPMENT SECTION C	A003	B003
DEVELOPMENT SECTION D	A004	B004
DEVELOPMENT SECTION E	A005	B005

(4) TABLE OF PATH PATTERN BY STAFF OF INTELLECTUAL PROPERTY RIGHT ACQUIREMENT SECTION

INTELLECTUAL PROPERTY RIGHT ACQUIREMENT SECTION	ACTION STUDY PATH PATTERN	ACTION STUDY APPROVAL PATH PATTERN
STAFF A	A001	B005
STAFF B	A002	B004
STAFF C	A003	B003
STAFF D	A004	B002
STAFF E	A005	B001

FIG. 13

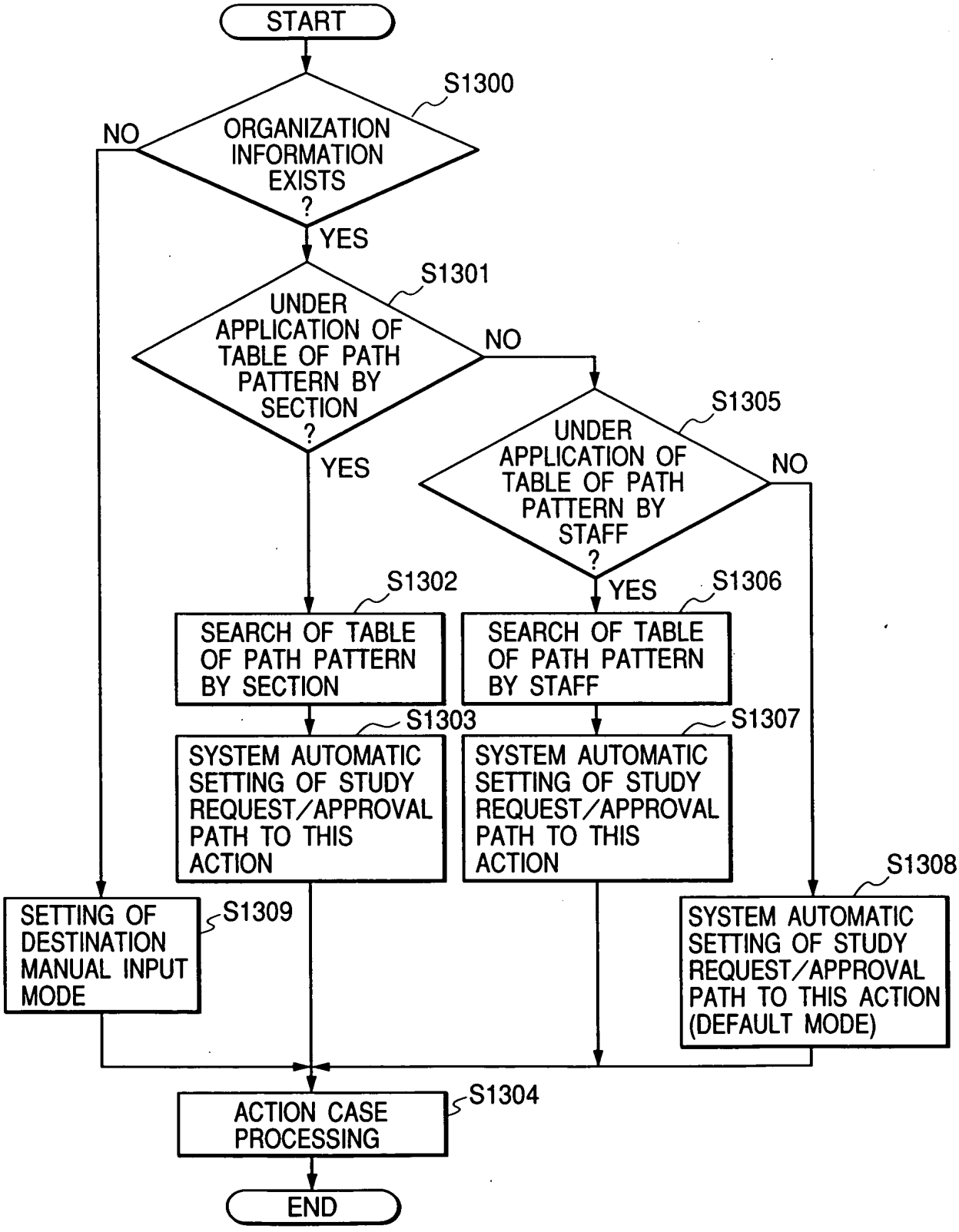

START
S1300
ORGANIZATION INFORMATION EXISTS ?
NO
YES
S1301
UNDER APPLICATION OF TABLE OF PATH PATTERN BY SECTION ?
NO
YES
S1305
UNDER APPLICATION OF TABLE OF PATH PATTERN BY STAFF ?
NO
YES
S1302
SEARCH OF TABLE OF PATH PATTERN BY SECTION
S1306
SEARCH OF TABLE OF PATH PATTERN BY STAFF
S1303
SYSTEM AUTOMATIC SETTING OF STUDY REQUEST/APPROVAL PATH TO THIS ACTION
S1307
SYSTEM AUTOMATIC SETTING OF STUDY REQUEST/APPROVAL PATH TO THIS ACTION
S1308
SETTING OF DESTINATION MANUAL INPUT MODE
S1309
SYSTEM AUTOMATIC SETTING OF STUDY REQUEST/APPROVAL PATH TO THIS ACTION (DEFAULT MODE)
ACTION CASE PROCESSING
S1304
END

FIG. 14

DOCUMENT FOLLOW-UP FUNCTION EXPLANATION DIAGRAM

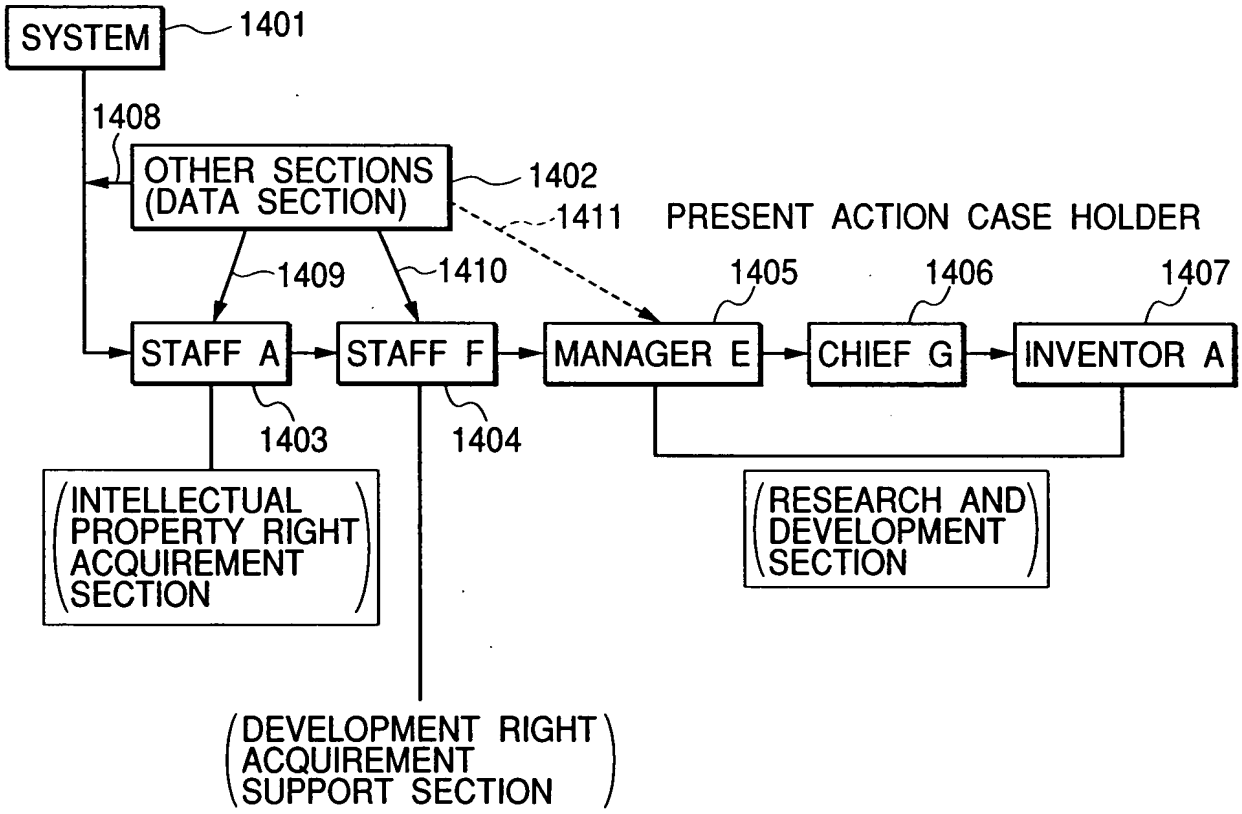


FIG. 15

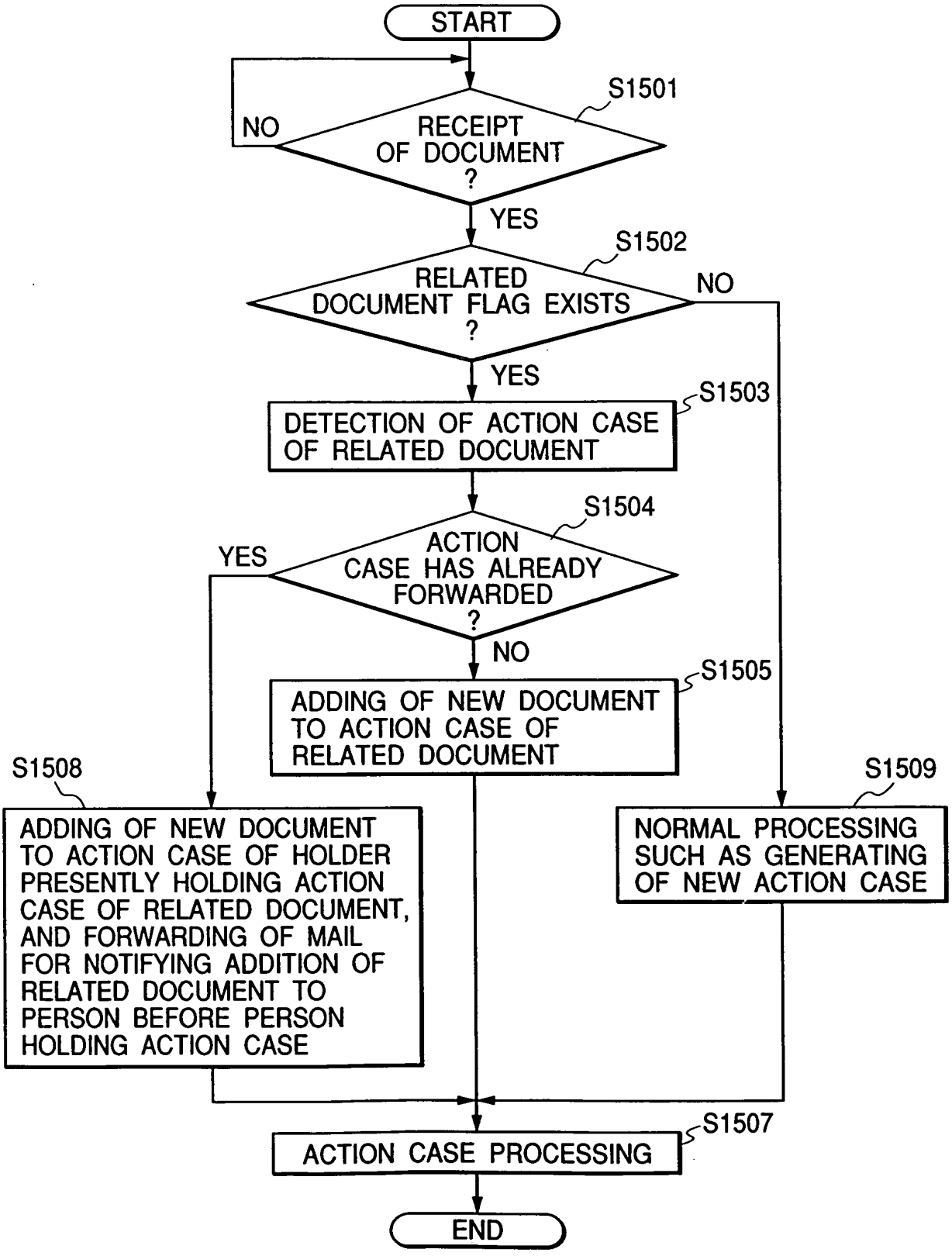
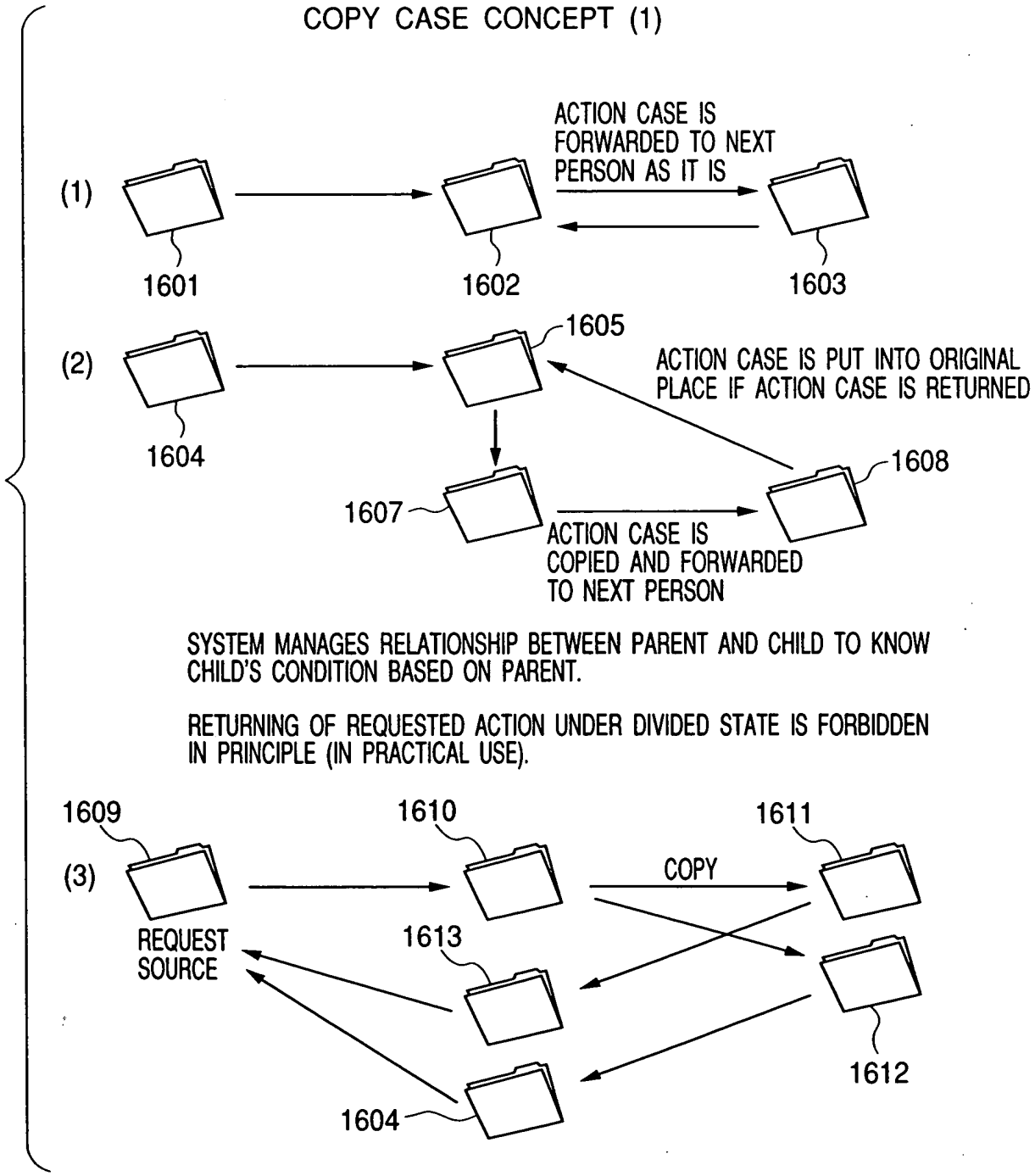

START
S1501
RECEIPT OF DOCUMENT ?
NO
YES
S1502
RELATED DOCUMENT FLAG EXISTS ?
NO
YES
S1503
DETECTION OF ACTION CASE OF RELATED DOCUMENT
S1504
ACTION CASE HAS ALREADY FORWARDED ?
YES
NO
S1505
ADDING OF NEW DOCUMENT TO ACTION CASE OF RELATED DOCUMENT
S1508
ADDING OF NEW DOCUMENT TO ACTION CASE OF HOLDER PRESENTLY HOLDING ACTION CASE OF RELATED DOCUMENT, AND FORWARDING OF MAIL FOR NOTIFYING ADDITION OF RELATED DOCUMENT TO PERSON BEFORE PERSON HOLDING ACTION CASE
S1509
NORMAL PROCESSING SUCH AS GENERATING OF NEW ACTION CASE
S1507
ACTION CASE PROCESSING
END

FIG. 16


COPY CASE CONCEPT (1)
ACTION CASE IS FORWARDED TO NEXT PERSON AS IT IS
(1)
1601
1602
1603
(2)
1604
1605
ACTION CASE IS PUT INTO ORIGINAL PLACE IF ACTION CASE IS RETURNED
1607
1608
ACTION CASE IS COPIED AND FORWARDED TO NEXT PERSON
SYSTEM MANAGES RELATIONSHIP BETWEEN PARENT AND CHILD TO KNOW CHILD'S CONDITION BASED ON PARENT.
RETURNING OF REQUESTED ACTION UNDER DIVIDED STATE IS FORBIDDEN IN PRINCIPLE (IN PRACTICAL USE).
1609
1610
1611
(3)
COPY
REQUEST SOURCE
1613
1612
1604

TOTSO ES525866

FIG. 17

COPY CASE CONCEPT (2)

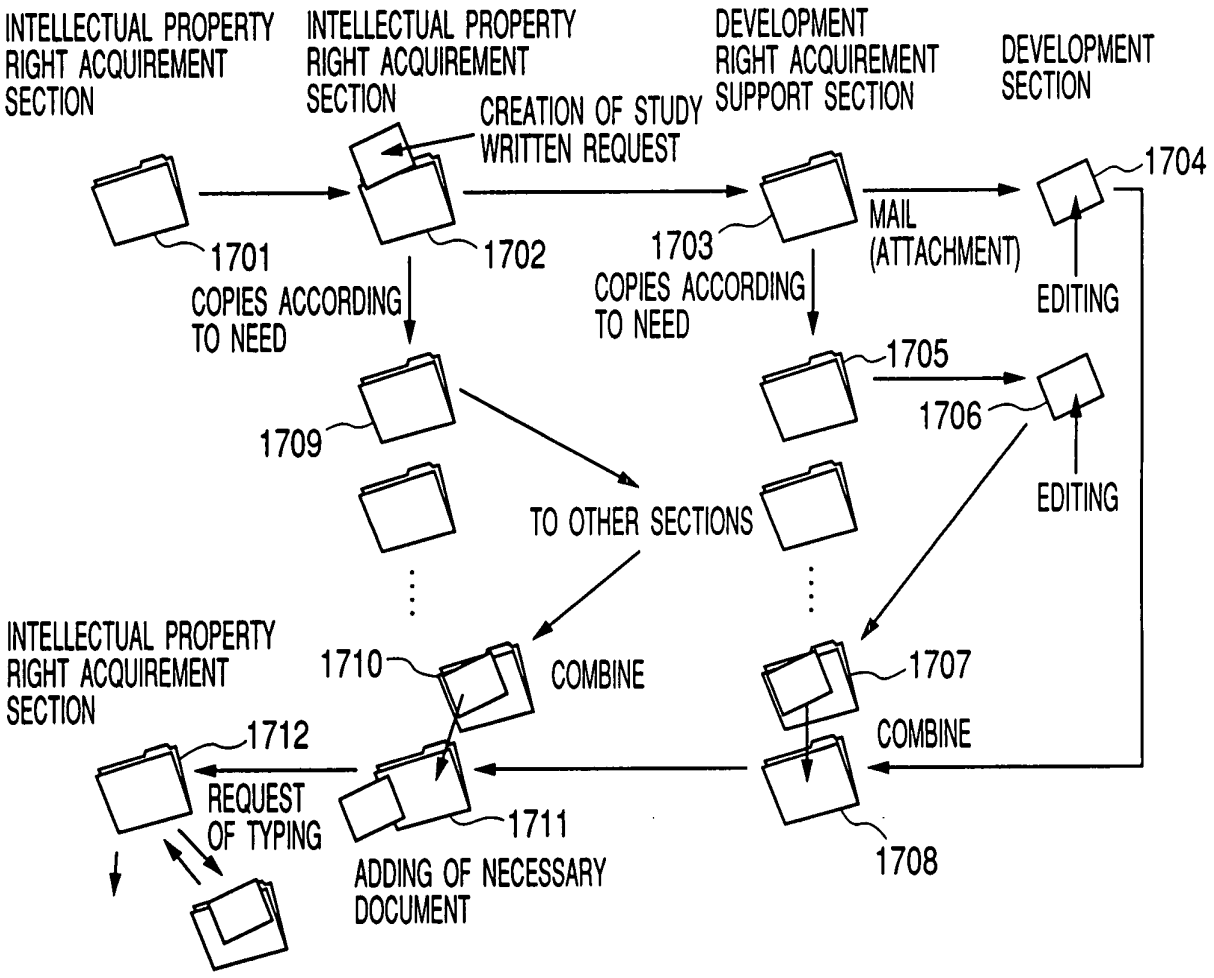


FIG. 18

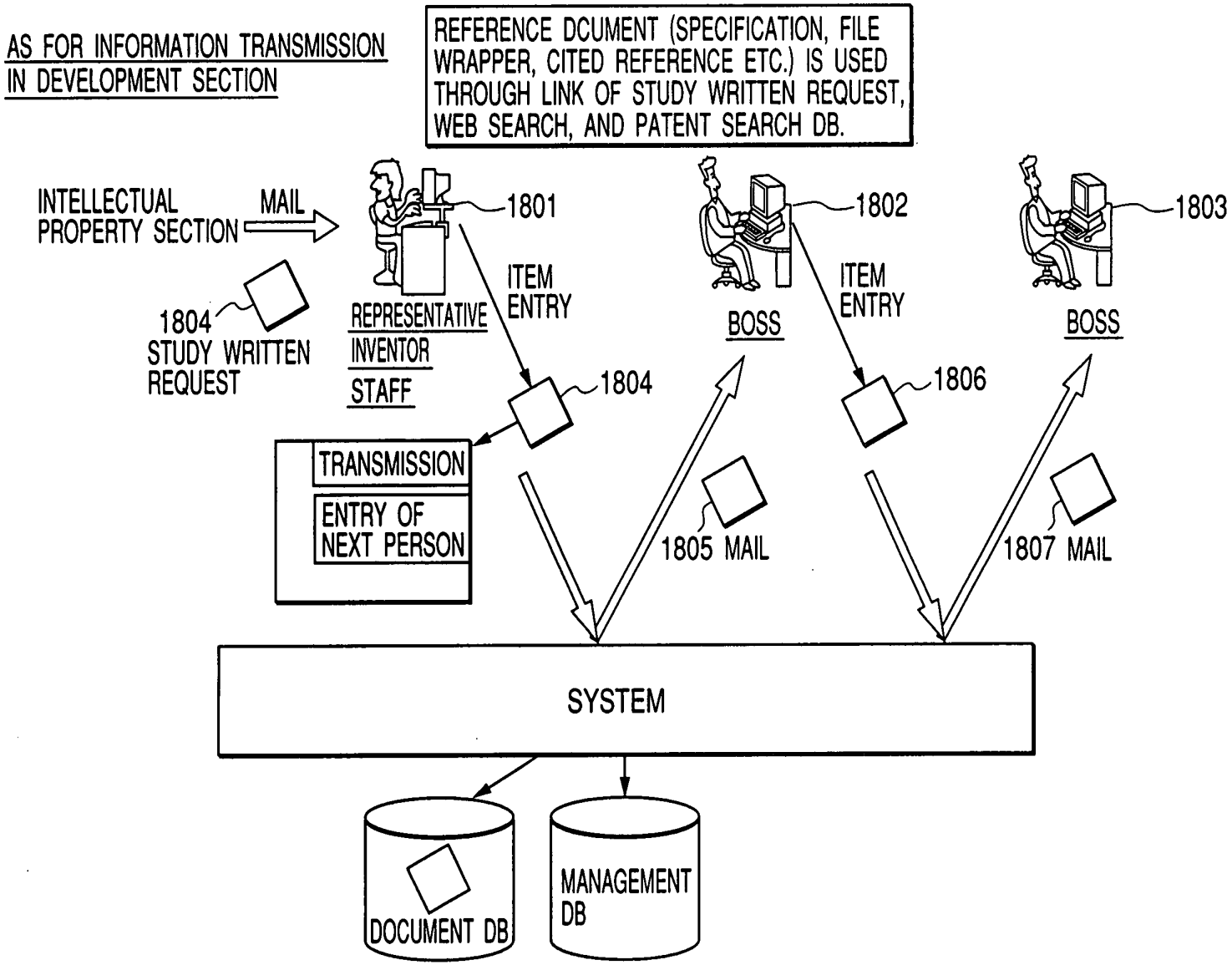

AS FOR INFORMATION TRANSMISSION IN DEVELOPMENT SECTION
REFERENCE DCUMENT (SPECIFICATION, FILE WRAPPER, CITED REFERENCE ETC.) IS USED THROUGH LINK OF STUDY WRITTEN REQUEST, WEB SEARCH, AND PATENT SEARCH DB.
INTELLECTUAL PROPERTY SECTION
MAIL
1801
1802
1803
ITEM ENTRY
ITEM ENTRY
1804 STUDY WRITTEN REQUEST
REPRESENTATIVE INVENTOR STAFF
BOSS
BOSS
1804
1806
TRANSMISSION
ENTRY OF NEXT PERSON
1805 MAIL
1807 MAIL
SYSTEM
DOCUMENT DB
MANAGEMENT DB

FIG. 19

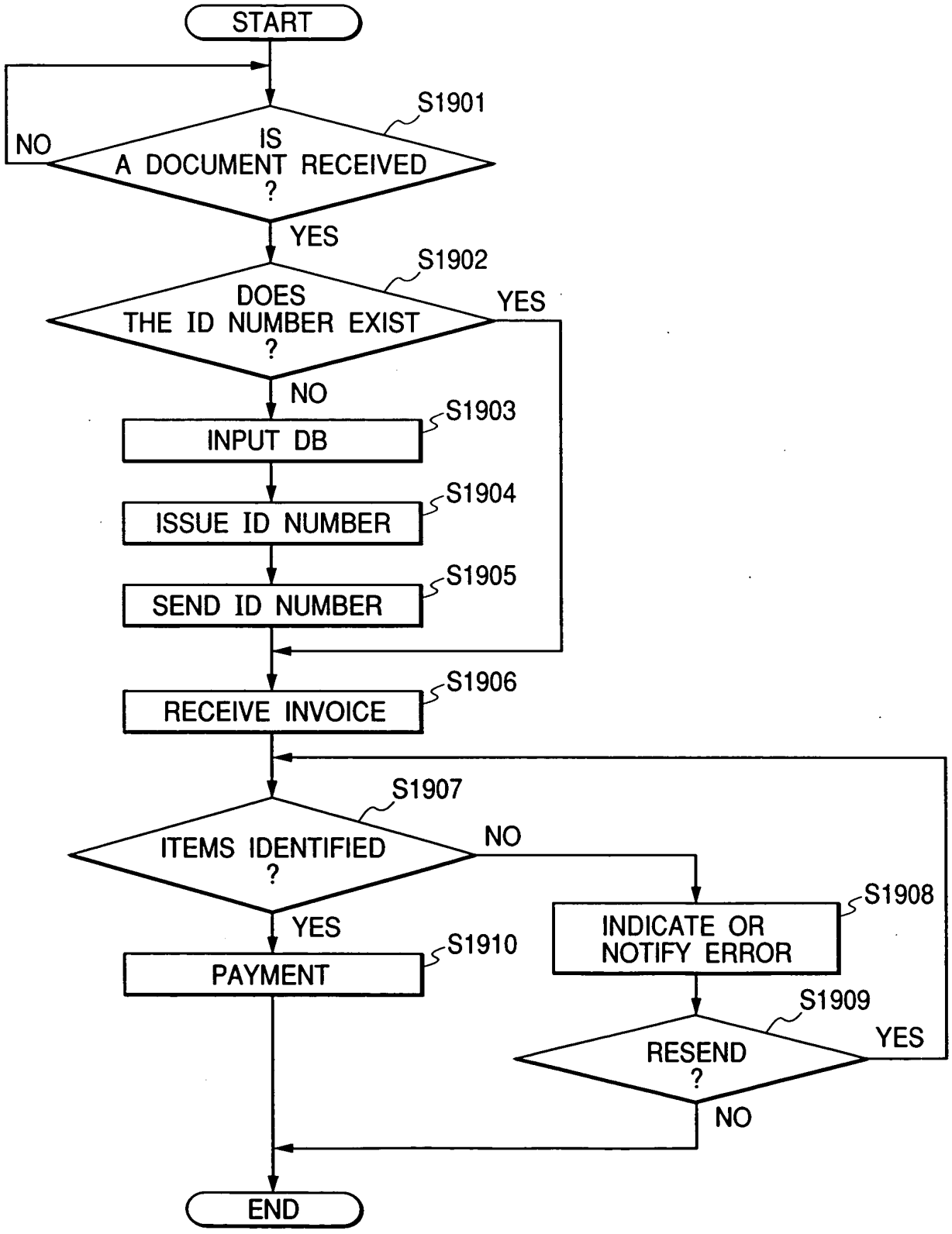
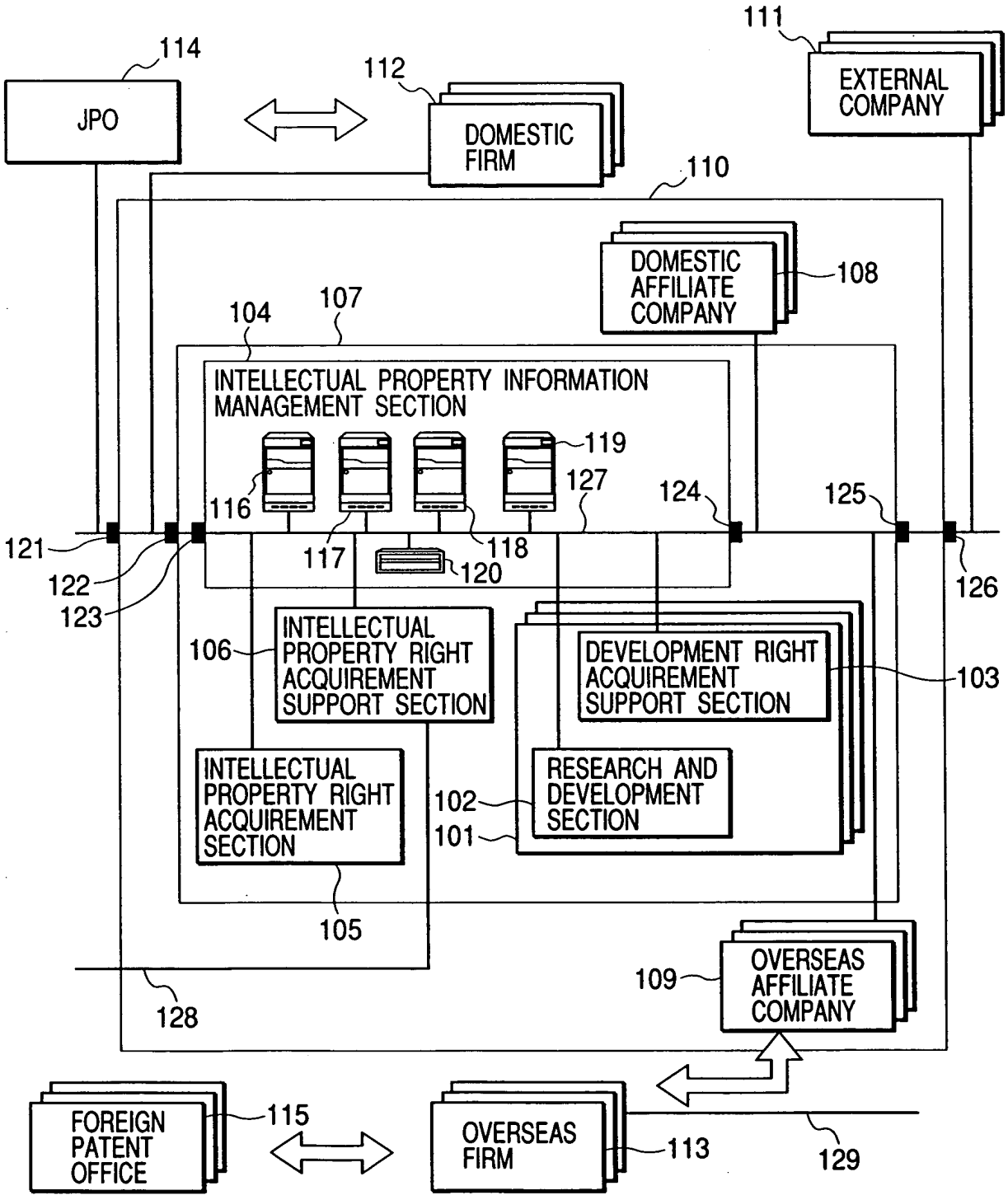

START
S1901
IS A DOCUMENT RECEIVED ?
NO
YES
S1902
DOES THE ID NUMBER EXIST ?
YES
NO
S1903
INPUT DB
S1904
ISSUE ID NUMBER
S1905
SEND ID NUMBER
S1906
RECEIVE INVOICE
S1907
ITEMS IDENTIFIED ?
NO
YES
S1908
INDICATE OR NOTIFY ERROR
S1909
RESEND ?
YES
NO
S1910
PAYMENT
END

FIG. 20


111
EXTERNAL COMPANY
114
JPO
112
DOMESTIC FIRM
110
DOMESTIC AFFILIATE COMPANY
108
104
107
INTELLECTUAL PROPERTY INFORMATION MANAGEMENT SECTION
119
116
127
124
125
121
117
118
120
122
123
126
106
INTELLECTUAL PROPERTY RIGHT ACQUIREMENT SUPPORT SECTION
DEVELOPMENT RIGHT ACQUIREMENT SUPPORT SECTION
103
INTELLECTUAL PROPERTY RIGHT ACQUIREMENT SECTION
RESEARCH AND DEVELOPMENT SECTION
102
101
105
109
OVERSEAS AFFILIATE COMPANY
128
FOREIGN PATENT OFFICE
115
OVERSEAS FIRM
113
129

TOOTSO" ESS25660

FIG. 21

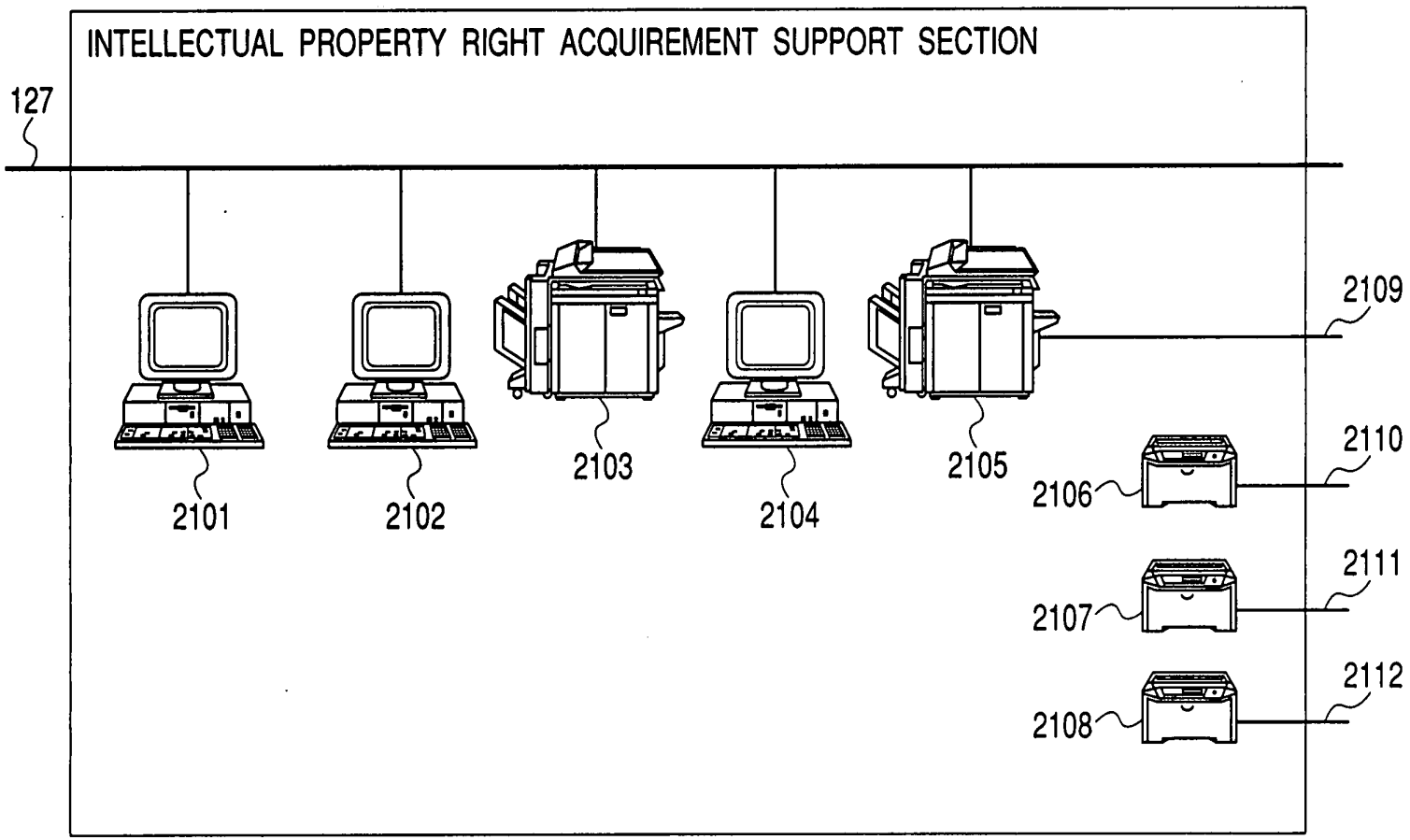


FIG. 22

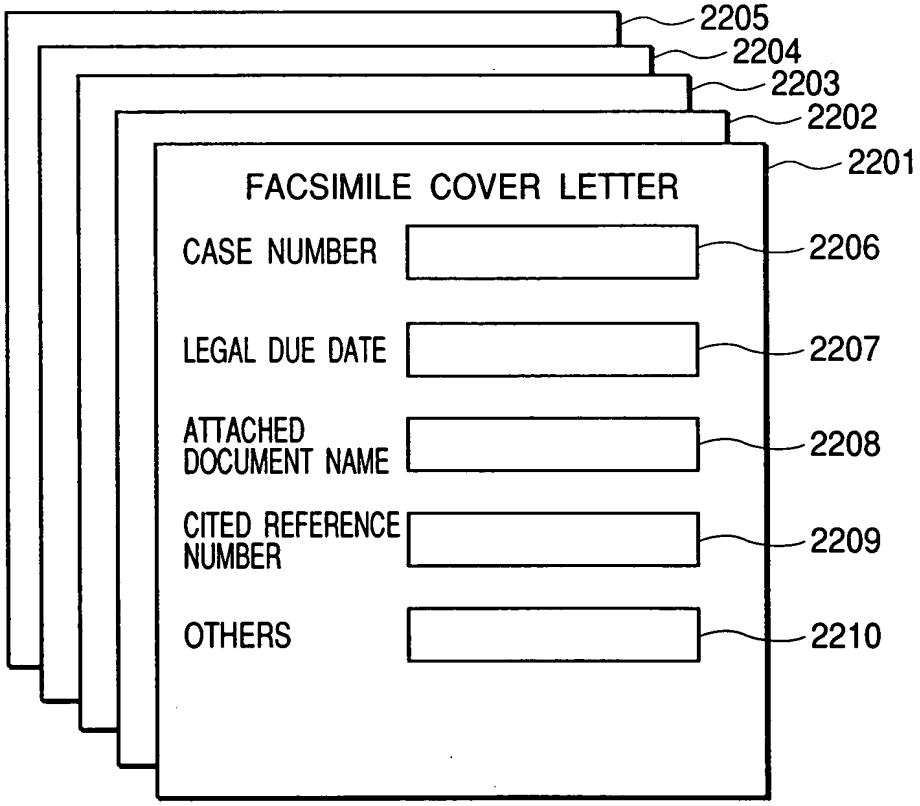

2205
2204
2203
2202
2201
FACSIMILE COVER LETTER
CASE NUMBER
2206
LEGAL DUE DATE
2207
ATTACHED DOCUMENT NAME
2208
CITED REFERENCE NUMBER
2209
OTHERS
2210

FIG. 23

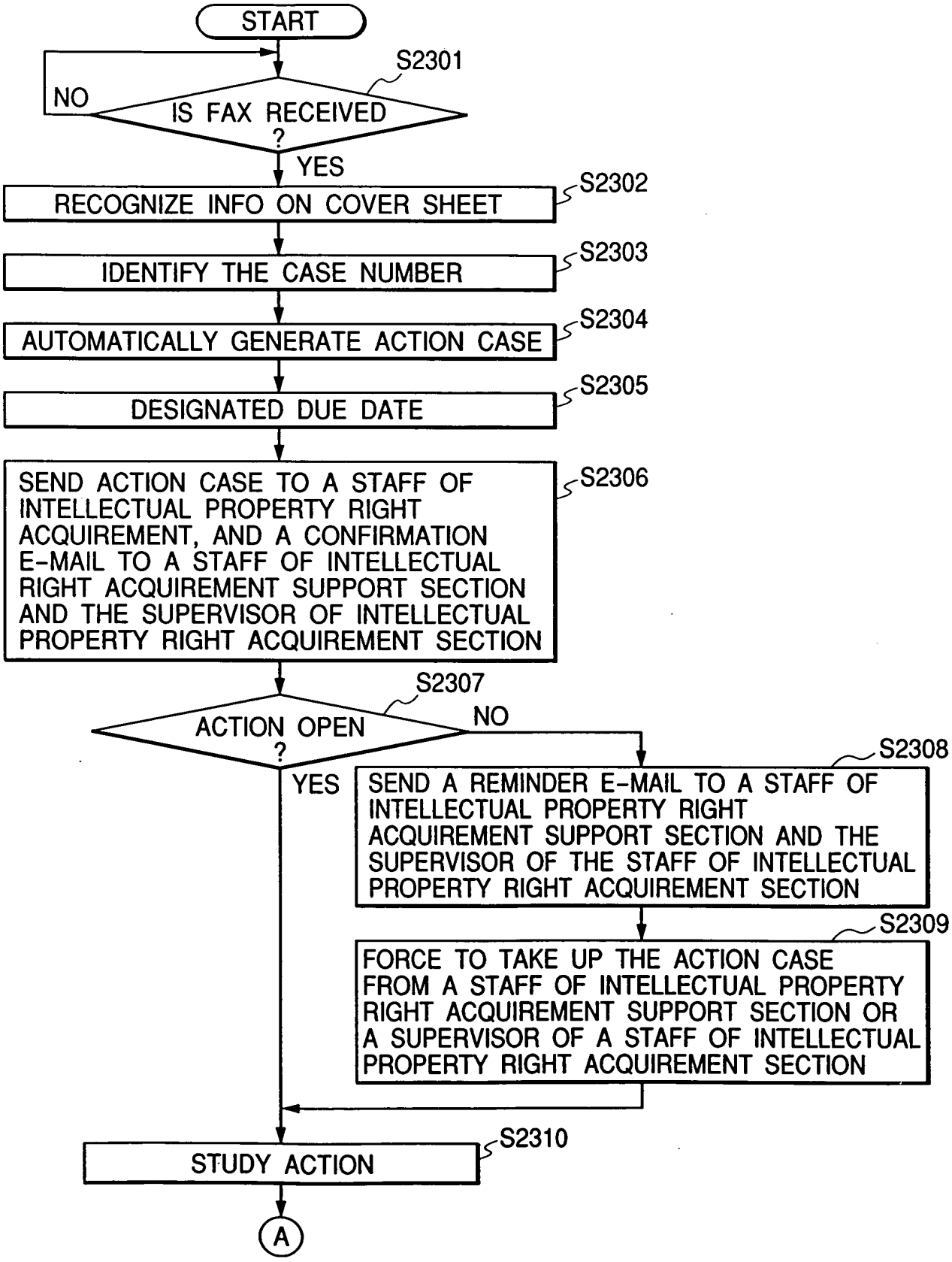
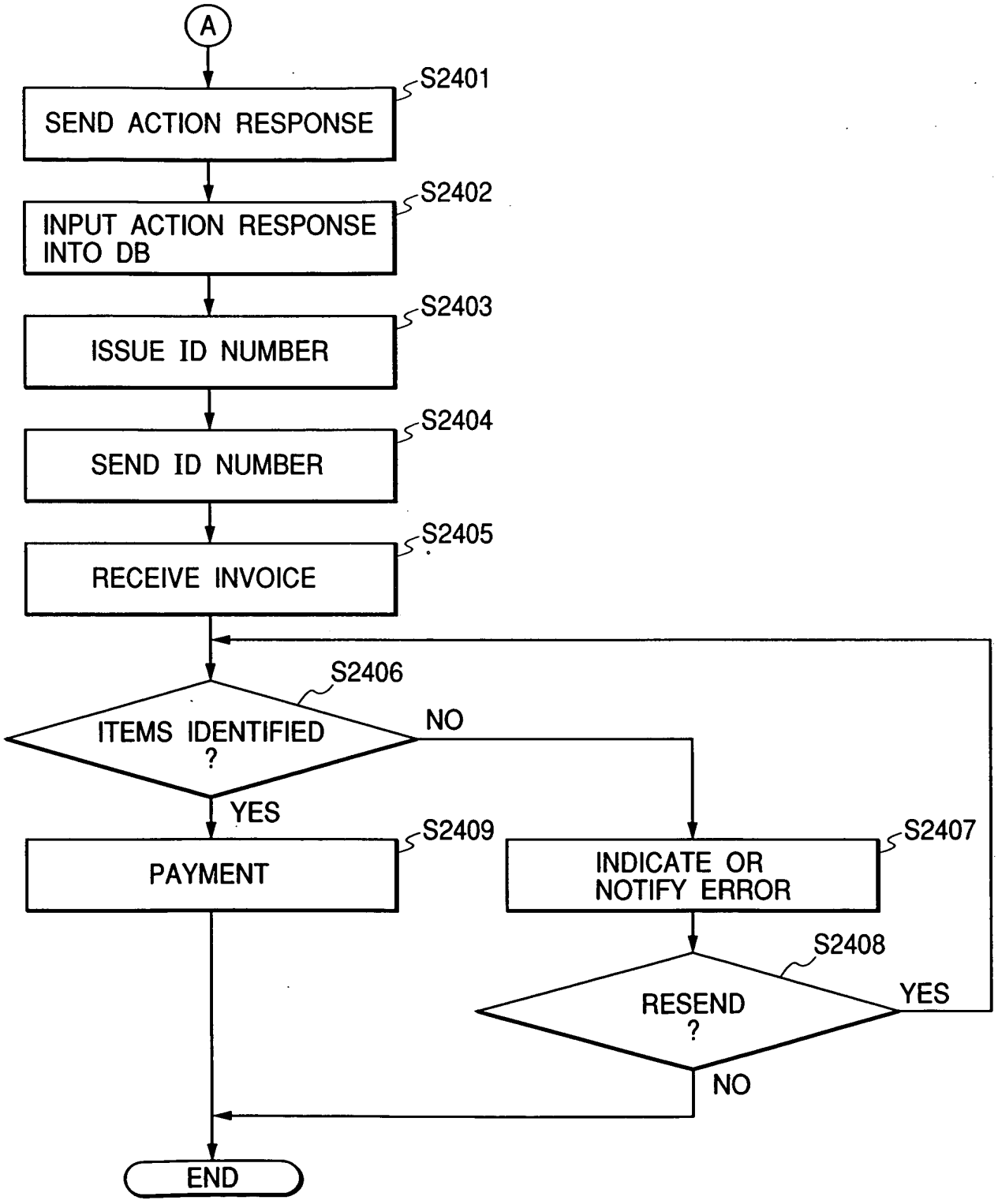

START
S2301
NO
IS FAX RECEIVED ?
YES
RECOGNIZE INFO ON COVER SHEET
S2302
IDENTIFY THE CASE NUMBER
S2303
AUTOMATICALLY GENERATE ACTION CASE
S2304
DESIGNATED DUE DATE
S2305
SEND ACTION CASE TO A STAFF OF INTELLECTUAL PROPERTY RIGHT ACQUIREMENT, AND A CONFIRMATION E-MAIL TO A STAFF OF INTELLECTUAL RIGHT ACQUIREMENT SUPPORT SECTION AND THE SUPERVISOR OF INTELLECTUAL PROPERTY RIGHT ACQUIREMENT SECTION
S2306
S2307
ACTION OPEN ?
NO
YES
SEND A REMINDER E-MAIL TO A STAFF OF INTELLECTUAL PROPERTY RIGHT ACQUIREMENT SUPPORT SECTION AND THE SUPERVISOR OF THE STAFF OF INTELLECTUAL PROPERTY RIGHT ACQUIREMENT SECTION
S2308
FORCE TO TAKE UP THE ACTION CASE FROM A STAFF OF INTELLECTUAL PROPERTY RIGHT ACQUIREMENT SUPPORT SECTION OR A SUPERVISOR OF A STAFF OF INTELLECTUAL PROPERTY RIGHT ACQUIREMENT SECTION
S2309
STUDY ACTION
S2310
A

FIG. 24


A
S2401
SEND ACTION RESPONSE
S2402
INPUT ACTION RESPONSE INTO DB
S2403
ISSUE ID NUMBER
S2404
SEND ID NUMBER
S2405
RECEIVE INVOICE
S2406
ITEMS IDENTIFIED ?
NO
YES
S2409
PAYMENT
S2407
INDICATE OR NOTIFY ERROR
S2408
RESEND ?
YES
NO
END

JP 2002-259860

FIG. 25

(1) STATUS VIEW OF ACTION CASE (FOR A STAFF IN INTELLECTUAL PROPERTY ACQUIREMENT SECTION)

OPEN	RETURN	ACTION CASE NAME	SEND DATE	SEND TO	DESIGNATED DUE	LEGAL DUE
		DRAFT CHECK	MAR/15/2000	INVENTOR A	MAR/22/2000	APR/3/2000
○		STUDY REQUEST FOR OFFICE ACTION	FEB/1/2000	STAFF F	APR/5/2000	APR/15/2000
		STUDY REQUEST FOR REJECTION	MAR/20/2000	STAFF G	APR/6/2000	APR/16/2000
○	○	APPLICATION ORIGINAL CHECK	MAR/18/2000	INVENTOR B	MAR/28/2000	——
○		STUDY REQUEST FOR OVERSEAS ACTION	FEB/20/2000	STAFF H	MAR/22/2000	APR/3/2000
		URGENT FAX (INQUIRY)	MAR/23/2000	INVENTOR B	MAR/24/2000	MAR/24/2000

TOTSO" ES525860

FIG. 26

(2) STATUS VIEW OF ACTION CASE
(FOR THE SUPERVISOR OF STAFFS IN INTELLECTUAL PROPERTY ACQUIREMENT SECTION)

OPEN	REQUEST	ACTION CASE NAME		STAFF NAME	DESIGNATED DUE	LEGAL DUE
		DRAFT CHECK	MAR/15/2000	STAFF A	———	APR/3/2000
○	○	STUDY REQUEST FOR OFFICE ACTION	FEB/1/2000	STAFF B	APR/5/2000	APR/15/2000
		STUDY REQUEST FOR REJECTION	MAR/20/2000	STAFF C	———	APR/16/2000
○		APPLICATION ORIGINAL CHECK	FEB/18/2000	STAFF B	———	———
○	○	STUDY REQUEST FOR OVERSEAS ACTION	FEB/20/2000	STAFF A	MAR/22/2000	APR/3/2000
		URGENT FAX (INQUIRY)	MAR/23/2000	STAFF B	———	MAR/24/2000

FIG. 27

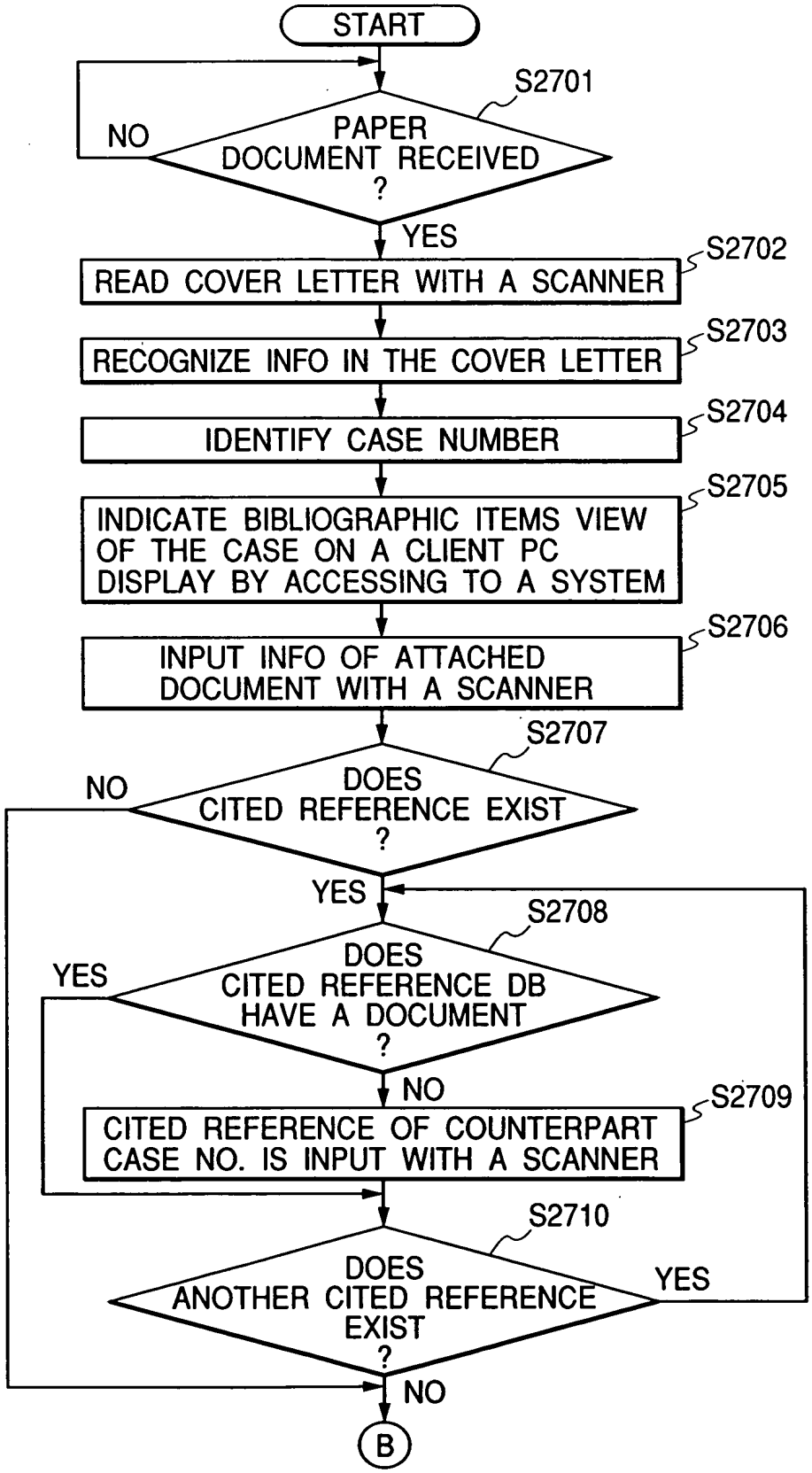
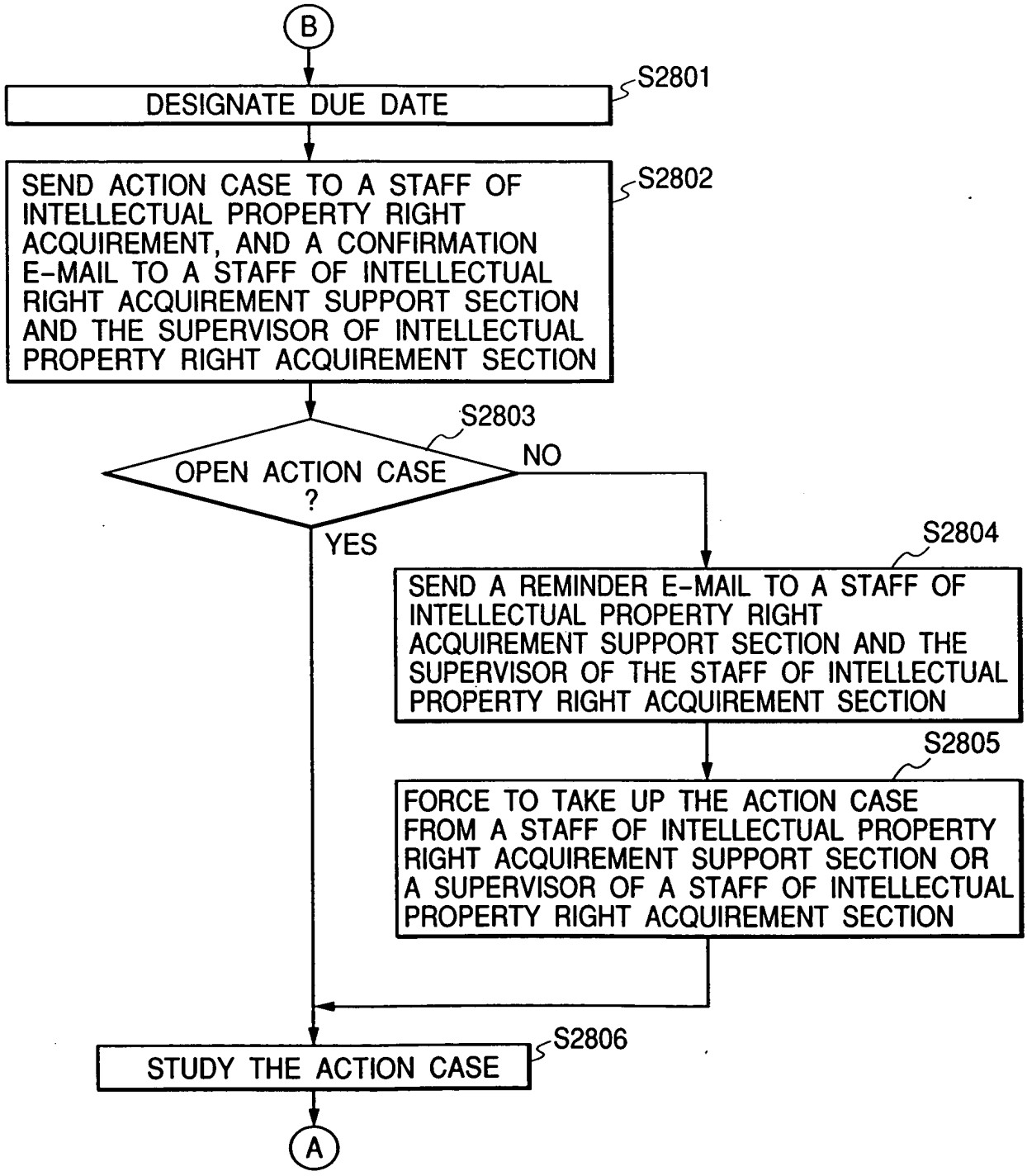
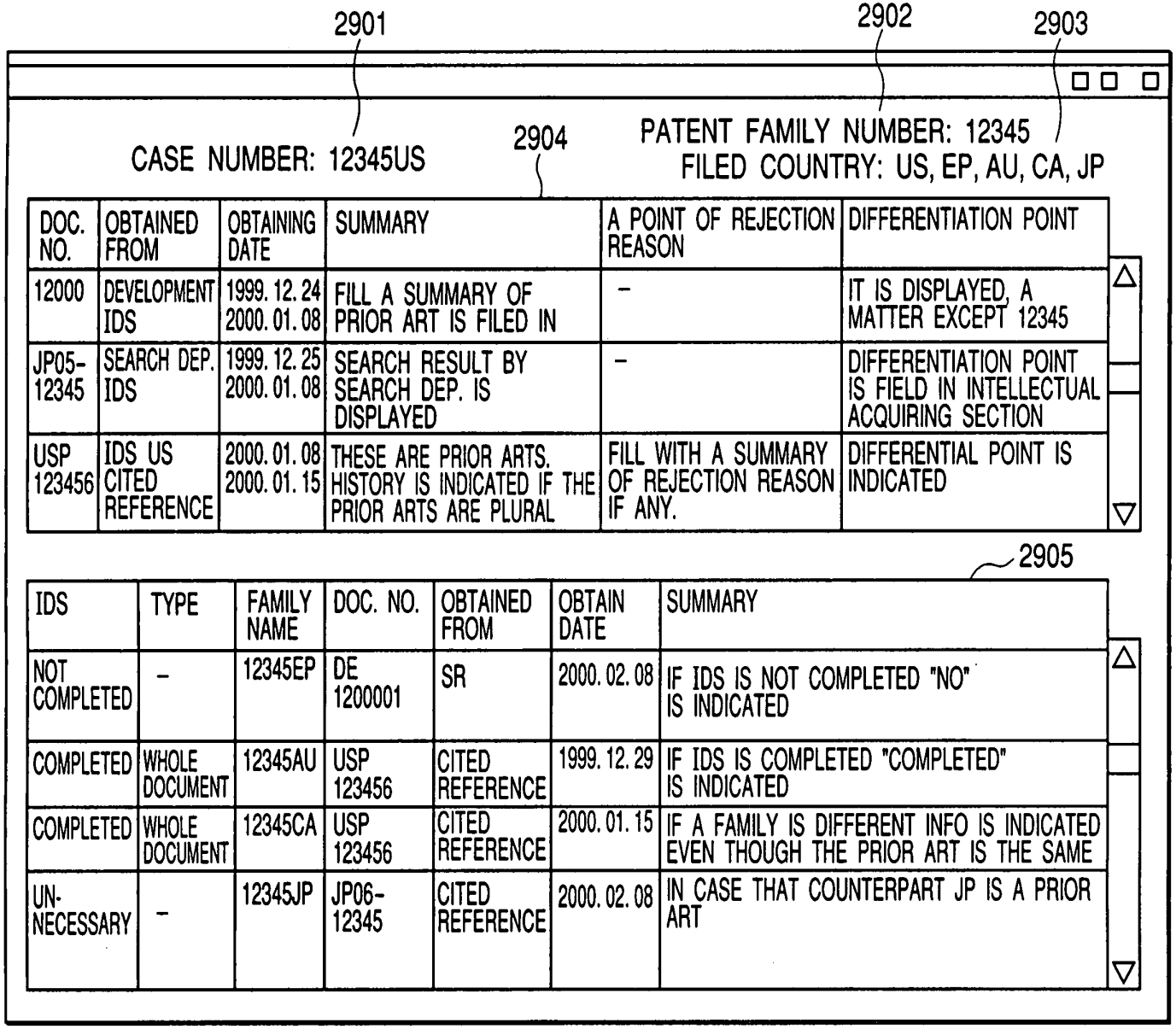

START
S2701
PAPER DOCUMENT RECEIVED ?
NO
YES
S2702
READ COVER LETTER WITH A SCANNER
S2703
RECOGNIZE INFO IN THE COVER LETTER
S2704
IDENTIFY CASE NUMBER
S2705
INDICATE BIBLIOGRAPHIC ITEMS VIEW OF THE CASE ON A CLIENT PC DISPLAY BY ACCESSING TO A SYSTEM
S2706
INPUT INFO OF ATTACHED DOCUMENT WITH A SCANNER
S2707
DOES CITED REFERENCE EXIST ?
NO
YES
S2708
DOES CITED REFERENCE DB HAVE A DOCUMENT ?
YES
NO
S2709
CITED REFERENCE OF COUNTERPART CASE NO. IS INPUT WITH A SCANNER
S2710
DOES ANOTHER CITED REFERENCE EXIST ?
YES
NO
B

FIG. 28


B
DESIGNATE DUE DATE
S2801
SEND ACTION CASE TO A STAFF OF INTELLECTUAL PROPERTY RIGHT ACQUIREMENT, AND A CONFIRMATION E-MAIL TO A STAFF OF INTELLECTUAL RIGHT ACQUIREMENT SUPPORT SECTION AND THE SUPERVISOR OF INTELLECTUAL PROPERTY RIGHT ACQUIREMENT SECTION
S2802
S2803
OPEN ACTION CASE ?
NO
YES
S2804
SEND A REMINDER E-MAIL TO A STAFF OF INTELLECTUAL PROPERTY RIGHT ACQUIREMENT SUPPORT SECTION AND THE SUPERVISOR OF THE STAFF OF INTELLECTUAL PROPERTY RIGHT ACQUIREMENT SECTION
S2805
FORCE TO TAKE UP THE ACTION CASE FROM A STAFF OF INTELLECTUAL PROPERTY RIGHT ACQUIREMENT SUPPORT SECTION OR A SUPERVISOR OF A STAFF OF INTELLECTUAL PROPERTY RIGHT ACQUIREMENT SECTION
S2806
STUDY THE ACTION CASE
A

TOTSO" ES525860

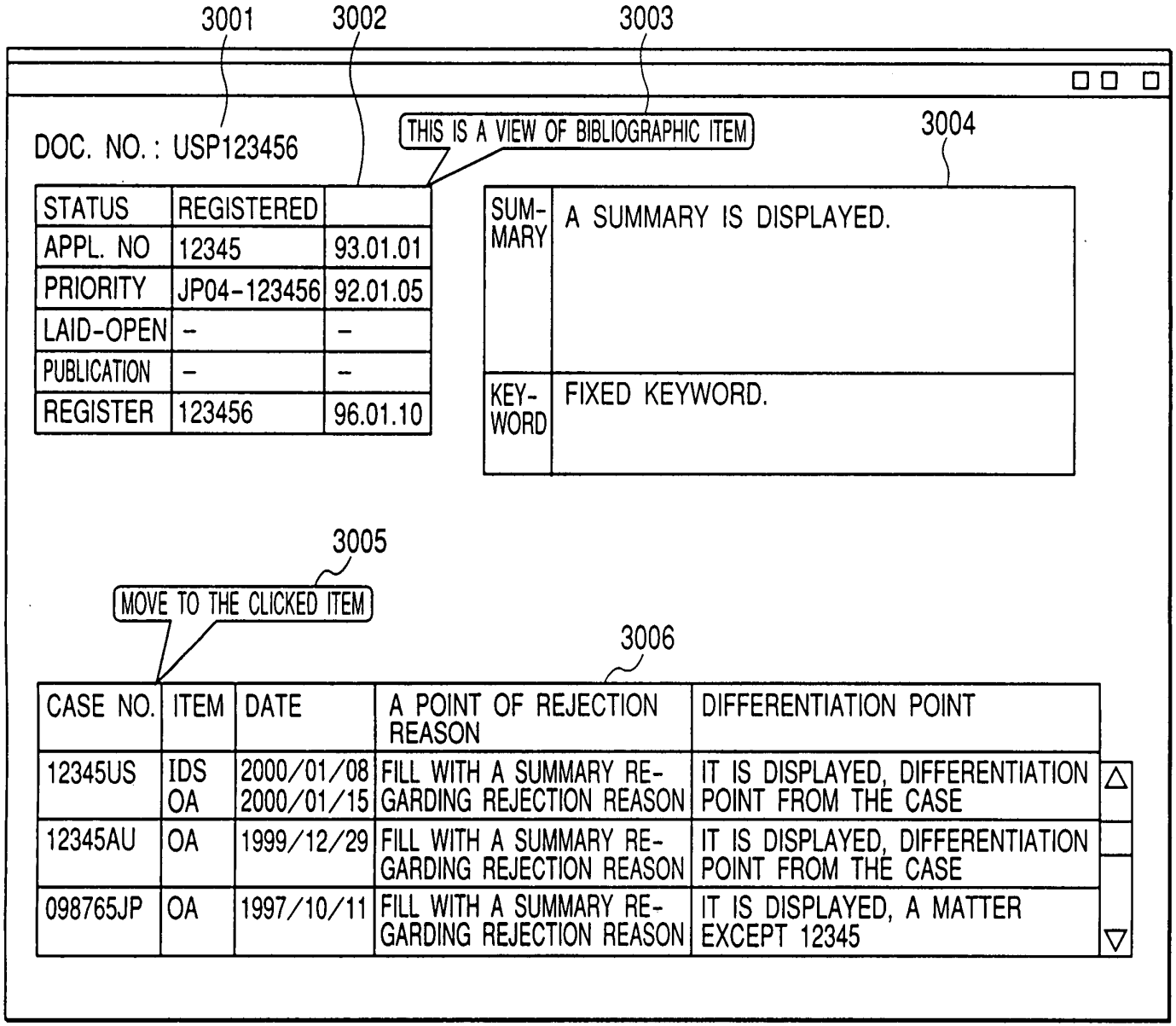
FIG. 29



DOC. NO.	OBTAINED FROM	OBTAINING DATE	SUMMARY	A POINT OF REJECTION REASON	DIFFERENTIATION POINT
12000	DEVELOPMENT IDS	1999. 12. 24 2000. 01. 08	FILL A SUMMARY OF PRIOR ART IS FILED IN	–	IT IS DISPLAYED, A MATTER EXCEPT 12345
JP05-12345	SEARCH DEP. IDS	1999. 12. 25 2000. 01. 08	SEARCH RESULT BY SEARCH DEP. IS DISPLAYED	–	DIFFERENTIATION POINT IS FIELD IN INTELLECTUAL ACQUIRING SECTION
USP 123456	IDS US CITED REFERENCE	2000. 01. 08 2000. 01. 15	THESE ARE PRIOR ARTS. HISTORY IS INDICATED IF THE PRIOR ARTS ARE PLURAL	FILL WITH A SUMMARY OF REJECTION REASON IF ANY.	DIFFERENTIAL POINT IS INDICATED

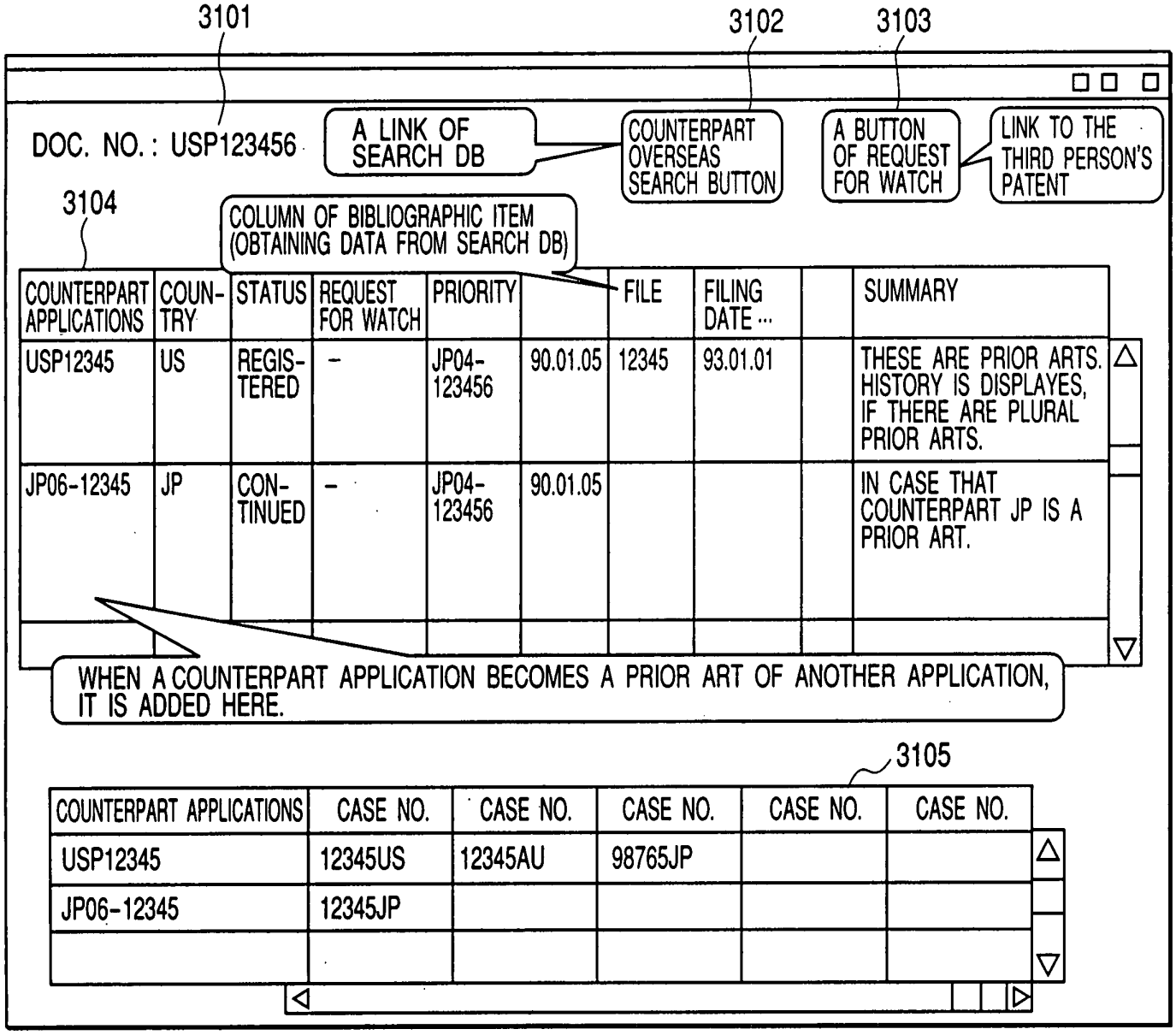
IDS	TYPE	FAMILY NAME	DOC. NO.	OBTAINED FROM	OBTAIN DATE	SUMMARY
NOT COMPLETED	–	12345EP	DE 1200001	SR	2000. 02. 08	IF IDS IS NOT COMPLETED "NO" IS INDICATED
COMPLETED	WHOLE DOCUMENT	12345AU	USP 123456	CITED REFERENCE	1999. 12. 29	IF IDS IS COMPLETED "COMPLETED" IS INDICATED
COMPLETED	WHOLE DOCUMENT	12345CA	USP 123456	CITED REFERENCE	2000. 01. 15	IF A FAMILY IS DIFFERENT INFO IS INDICATED EVEN THOUGH THE PRIOR ART IS THE SAME
UN-NECESSARY	–	12345JP	JP06-12345	CITED REFERENCE	2000. 02. 08	IN CASE THAT COUNTERPART JP IS A PRIOR ART

FIG. 30


3001
3002
3003
3004
3005
3006
DOC. NO. : USP123456
THIS IS A VIEW OF BIBLIOGRAPHIC ITEM
STATUS | REGISTERED |
APPL. NO | 12345 | 93.01.01
PRIORITY | JP04-123456 | 92.01.05
LAID-OPEN | – | –
PUBLICATION | – | –
REGISTER | 123456 | 96.01.10
SUM-MARY | A SUMMARY IS DISPLAYED.
KEY-WORD | FIXED KEYWORD.
MOVE TO THE CLICKED ITEM
CASE NO. | ITEM | DATE | A POINT OF REJECTION REASON | DIFFERENTIATION POINT
12345US | IDS OA | 2000/01/08 2000/01/15 | FILL WITH A SUMMARY REGARDING REJECTION REASON | IT IS DISPLAYED, DIFFERENTIATION POINT FROM THE CASE
12345AU | OA | 1999/12/29 | FILL WITH A SUMMARY REGARDING REJECTION REASON | IT IS DISPLAYED, DIFFERENTIATION POINT FROM THE CASE
098765JP | OA | 1997/10/11 | FILL WITH A SUMMARY REGARDING REJECTION REASON | IT IS DISPLAYED, A MATTER EXCEPT 12345

EP 0 678 820 A2

FIG. 31



TOTSO "2525660

FIG. 32

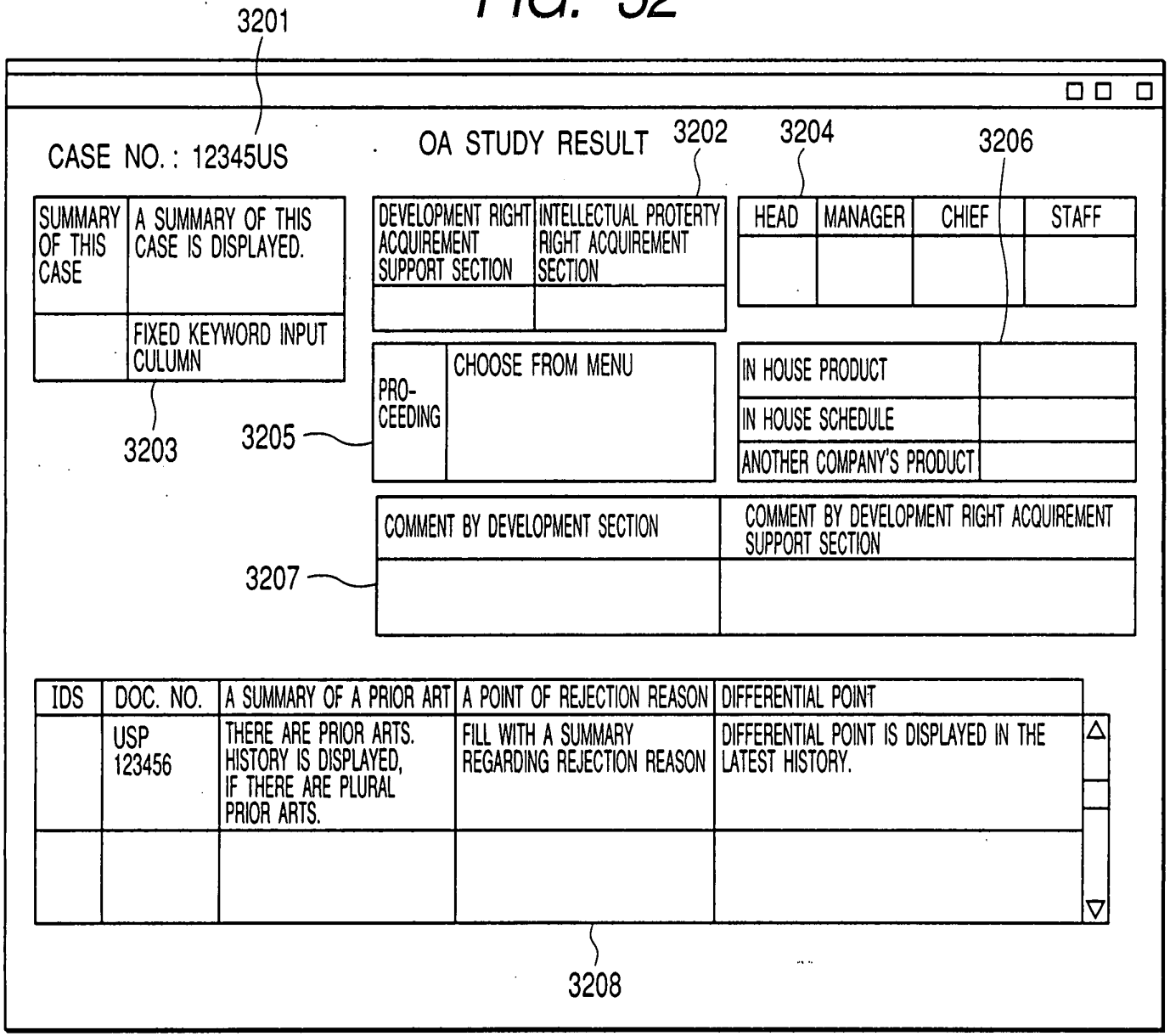
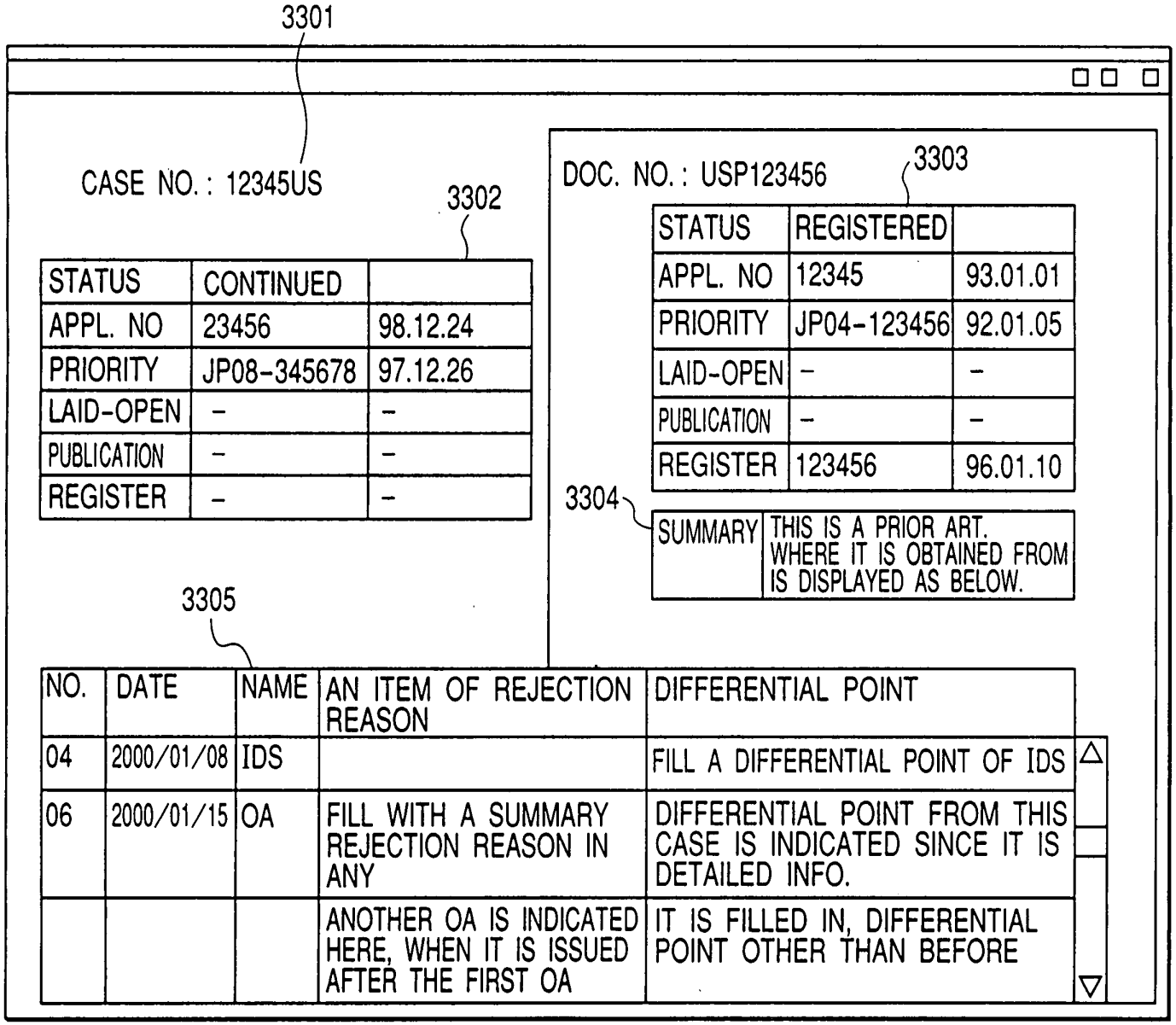


FIG. 33



STATUS	CONTINUED	
APPL. NO	23456	98.12.24
PRIORITY	JP08-345678	97.12.26
LAID-OPEN	-	-
PUBLICATION	-	-
REGISTER	-	-

STATUS	REGISTERED	
APPL. NO	12345	93.01.01
PRIORITY	JP04-123456	92.01.05
LAID-OPEN	-	-
PUBLICATION	-	-
REGISTER	123456	96.01.10

NO.	DATE	NAME	AN ITEM OF REJECTION REASON	DIFFERENTIAL POINT
04	2000/01/08	IDS		FILL A DIFFERENTIAL POINT OF IDS
06	2000/01/15	OA	FILL WITH A SUMMARY REJECTION REASON IN ANY	DIFFERENTIAL POINT FROM THIS CASE IS INDICATED SINCE IT IS DETAILED INFO.
			ANOTHER OA IS INDICATED HERE, WHEN IT IS ISSUED AFTER THE FIRST OA	IT IS FILLED IN, DIFFERENTIAL POINT OTHER THAN BEFORE

FIG. 34

NO.	ITEM	SUMMARY	LENGTH	ATTRIBUTION	INPUT BY	CHECKED BY	REMARKS
1	COUNTRY	ISSUANCE COUNTRY	2	ENGLISH CHARACTER & NUMBER	CLERICAL SECTION	CLERICAL SECTION	INPUT IS NEEDED
2	REFERENCE NO.			ENGLISH CHARACTER & NUMBER	SYSTEM	—	DISPLAY LAID-OPEN NUMBER IF ANY, OR DOCUMENT NAME
3	DOC. NO.			ENGLISH CHARACTER & NUMBER	CLERICAL SECTION	CLERICAL SECTION	INPUT BY HAND IS NEEDED
4	LAID-OPEN NO.			ENGLISH CHARACTER & NUMBER	CLERICAL SECTION	CLERICAL SECTION	INPUT BY HAND IS NEEDED
5	LAID-OPEN DATE	yyy.mm.dd	10	NUMBER	CLERICAL SECTION	CLERICAL SECTION	INPUT IS NEEDED
6	BACK DATE	yyy.mm.dd	10	NUMBER	CLERICAL SECTION	CLERICAL SECTION	INPUT IS NEEDED
7	APPL. NO.			ENGLISH CHARACTER & NUMBER	CLERICAL SECTION	CLERICAL SECTION	INPUT IS NEEDED
8	FILING DATE	yyy.mm.dd	10	NUMBER	CLERICAL SECTION	CLERICAL SECTION	INPUT IS NEEDED
9	PUBLICATION NO.			ENGLISH CHARACTER & NUMBER	CLERICAL SECTION	CLERICAL SECTION	INPUT, IF NEEDED
10	PUBLICATION DATE	yyy.mm.dd	10	NUMBER	CLERICAL SECTION	CLERICAL SECTION	INPUT, IF NEEDED
11	REGISTER NO.			ENGLISH CHARACTER & NUMBER	CLERICAL SECTION	CLERICAL SECTION	INPUT, IF NEEDED
12	REGISTER DATE	yyy.mm.dd	10	NUMBER	CLERICAL SECTION	CLERICAL SECTION	INPUT, IF NEEDED
13	KEYWORD	FIXED KEYWORD	30	CHINESE CHARACTER	DEVELOPMENT SECTION	RIGHT ACQUIREMENT SECTION	INPUT AND CHECK IN EACH TIME WHEN OA WITH A NEW RECORD IS ISSUED
14	SUMMARY		80	CHINESE CHARACTER	DEVELOPMENT SECTION	RIGHT ACQUIREMENT SECTION	INPUT AND CHECK IN EACH TIME WHEN OA WITH A NEW RECORD IS ISSUED
15	MEMO	MEMO FOR ACITED REFERENCE	100	CHINESE CHARACTER	DEVELOPMENT SECTION	RIGHT ACQUIREMENT SECTION	INPUT AND CHECK IN EACH TIME WHEN OA WITH A NEW RECORD IS ISSUED
16	FAMILY	APPL. NO. IF ANY, OR CITED REFERENCE NO.		ENGLISH CHARACTER & NUMBER	CLERICAL SECTION	CLERICAL SECTION	NEEDED TO MAKE FIG. 31

FIG. 35

NO.	ITEM	SUMMARY	LENGTH	ATTRIBUTION	INPUT BY	CHECKED BY	REMARKS
17	FILE NO.	FILE NUMBER OF THIS CASE (WITH IDENTIFIED COUNTRY)		ENGLISH CHARACTER & NUMBER	SYSTEM	—	CONNECTED PRIOR ARTS TO THIS CASE
18	REFERENCE NUMBER			ENGLISH CHARACTER & NUMBER	SYSTEM	—	LAID-OPEN NO. IF ANY, OR DOCUMENT NO.
19	IDS STATUS	PRESENSE=1, NONE=0	1	NUMBER	CLERICAL SECTION	RIGHT ACQUIREMENT SECTION	INPUT ONLY US AND CN CASE
20	IDS TYPE	CHOSEN FROM ALL DOCUMENT, COUNTERPART FILE OR ABSTRACT	5	CHINESE CHARACTER	CLERICAL SECTION	RIGHT ACQUIREMENT SECTION	INPUT US CASE ONLY
21	OBTAINING DATE	yyy.mm.dd	10	NUMBER	CLERICAL SECTION	—	OBTAINING DATE OF THE PRIOR ART OF THIS CASE
22	OBTAINED FROM		5	CHINESE CHARACTER	CLERICAL SECTION	—	SR, REFERENCES

FIG. 36

NO.	ITEM	SUMMARY	LENGTH	ATTRIBUTION	INPUT BY	CHECKED BY	REMARKS
23	HISTORY NO.			ENGLISH CHARACTER & NUMBER	SYSTEM	—	FLAG TO CONNECT A HISTORY TO A PRIOR ART
24	CITED REFERENCE NO.			ENGLISH CHARACTER & NUMBER	CLERICAL SECTION	CLERICAL SECTION	INPUT IS NEEDED
25	A POINT OF REJECTED REASON			CHINESE CHARACTER	DEVELOPMENT SECTION	RIGHT ACQUIREMENT SECTION	INPUT AND CHECK IN EACH TIME WHEN OA WITH A NEW RECORD IS ISSUED
26	DEFFERENTIATION POINT			CHINESE CHARACTER	DEVELOPMENT SECTION	RIGHT ACQUIREMENT SECTION	INPUT AND CHECK IN EACH TIME WHEN OA WITH A NEW RECORD IS ISSUED